

## Spool Generated For Class of Oracle By Satish K Yellanki

SQL> cl scr

SQL> DESC Dept

Name	Null?	Type
DEPTNO	NOT NULL	NUMBER(2)
DNAME		VARCHAR2(14)
LOC		VARCHAR2(13)

SQL> SELECT \* FROM Dept;

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

SQL> DESC SalGrade

Name	Null?	Type
GRADE		NUMBER
LOSAL		NUMBER
HISAL		NUMBER

SQL> SELECT \* FROM SalGrade;

GRADE	LOSAL	HISAL
1	700	1200
2	1201	1400
3	1401	2000
4	2001	3000
5	3001	9999

SQL> DESC Emp

Name	Null?	Type
EMPNO	NOT NULL	NUMBER(4)
ENAME		VARCHAR2(10)
JOB		VARCHAR2(9)
MGR		NUMBER(4)
HIREDATE		DATE
SAL		NUMBER(7,2)
COMM		NUMBER(7,2)
DEPTNO	NOT NULL	NUMBER(2)

SQL> SELECT \* FROM Emp;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
7839	KING	PRESIDENT		17-NOV-81	5000	

**Spool Generated For Class of Oracle By Satish K Yellanki**

7698	BLAKE	MANAGER	7839	01-MAY-81	2850	
30						
7782	CLARK	MANAGER	7839	09-JUN-81	2450	
10						
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----	-----	-----	-----	-----	-----	-----
DEPTNO						
-----						
7566	JONES	MANAGER	7839	02-APR-81	2975	
20						
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400
30						
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300
30						
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----	-----	-----	-----	-----	-----	-----
DEPTNO						
-----						
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0
30						
7900	JAMES	CLERK	7698	03-DEC-81	950	
30						
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500
30						
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----	-----	-----	-----	-----	-----	-----
DEPTNO						
-----						
7902	FORD	ANALYST	7566	03-DEC-81	3000	
20						
7369	SMITH	CLERK	7902	17-DEC-80	800	
20						
7788	SCOTT	ANALYST	7566	09-DEC-82	3000	
20						
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM
-----	-----	-----	-----	-----	-----	-----
DEPTNO						
-----						
7876	ADAMS	CLERK	7788	12-JAN-83	1100	
20						

# Spool Generated For Class of Oracle By Satish K Yellanki

7934 MILLER            CLERK                            7782 23-JAN-82            1300  
10

14 rows selected.

```
SQL> COLUMN Empno FORMAT 9999
SQL> COLUMN Deptno FORMAT 99
SQL> COLUMN MGR FORMAT 9999
SQL> COLUMN Sal FORMAT 9999
SQL> COLUMN Comm FORMAT 9999
SQL> COLUMN Ename FORMAT A7
SQL> SELECT * FROM Emp;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7369	SMITH	CLERK	7902	17-DEC-80	800		20

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7788	SCOTT	ANALYST	7566	09-DEC-82	3000		20
7876	ADAMS	CLERK	7788	12-JAN-83	1100		20
7934	MILLER	CLERK	7782	23-JAN-82	1300		10

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT * FROM Emp;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7839	KING	PRESIDENT		17-NOV-81	5000		10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850		30
7782	CLARK	MANAGER	7839	09-JUN-81	2450		10
7566	JONES	MANAGER	7839	02-APR-81	2975		20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7900	JAMES	CLERK	7698	03-DEC-81	950		30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7902	FORD	ANALYST	7566	03-DEC-81	3000		20
7369	SMITH	CLERK	7902	17-DEC-80	800		20

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
-------	-------	-----	-----	----------	-----	------	--------

## Spool Generated For Class of Oracle By Satish K Yellanki

```
7788 SCOTT ANALYST 7566 09-DEC-82 3000 20
7876 ADAMS CLERK 7788 12-JAN-83 1100 20
7934 MILLER CLERK 7782 23-JAN-82 1300 10
```

14 rows selected.

```
SQL> SELECT Deptno, Dname, Loc
2 FROM Dept;
```

```
DEPTNO DNAME LOC
-----
10 ACCOUNTING NEW YORK
20 RESEARCH DALLAS
30 SALES CHICAGO
40 OPERATIONS BOSTON
```

```
SQL> SELECT Dname, Loc
2 FROM Dept;
```

```
DNAME LOC
-----
ACCOUNTING NEW YORK
RESEARCH DALLAS
SALES CHICAGO
OPERATIONS BOSTON
```

```
SQL> SELECT Loc, Dename
2 FROM Dept;
SELECT Loc, Dename
*
ERROR at line 1:
ORA-00904: "DENAME": invalid identifier
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT Loc, Dname
2* FROM Dept
SQL> /
```

```
LOC DNAME
-----
NEW YORK ACCOUNTING
DALLAS RESEARCH
CHICAGO SALES
BOSTON OPERATIONS
```

```
SQL> SELECT Deptno, Loc
2 FROM Dept;
```

```
DEPTNO LOC
-----
10 NEW YORK
20 DALLAS
30 CHICAGO
```

## Spool Generated For Class of Oracle By Satish K Yellanki

40 BOSTON

SQL> cl scr

SQL> SELECT Empno, Ename, Job  
2 FROM Emp;

EMPNO	ENAME	JOB
7839	KING	PRESIDENT
7698	BLAKE	MANAGER
7782	CLARK	MANAGER
7566	JONES	MANAGER
7654	MARTIN	SALESMAN
7499	ALLEN	SALESMAN
7844	TURNER	SALESMAN
7900	JAMES	CLERK
7521	WARD	SALESMAN
7902	FORD	ANALYST
7369	SMITH	CLERK

EMPNO	ENAME	JOB
7788	SCOTT	ANALYST
7876	ADAMS	CLERK
7934	MILLER	CLERK

14 rows selected.

SQL> SELECT Ename, Sal, HireDate, Job  
2 FROM Emp;

ENAME	SAL	HIREDATE	JOB
KING	5000	17-NOV-81	PRESIDENT
BLAKE	2850	01-MAY-81	MANAGER
CLARK	2450	09-JUN-81	MANAGER
JONES	2975	02-APR-81	MANAGER
MARTIN	1250	28-SEP-81	SALESMAN
ALLEN	1600	20-FEB-81	SALESMAN
TURNER	1500	08-SEP-81	SALESMAN
JAMES	950	03-DEC-81	CLERK
WARD	1250	22-FEB-81	SALESMAN
FORD	3000	03-DEC-81	ANALYST
SMITH	800	17-DEC-80	CLERK

ENAME	SAL	HIREDATE	JOB
SCOTT	3000	09-DEC-82	ANALYST
ADAMS	1100	12-JAN-83	CLERK
MILLER	1300	23-JAN-82	CLERK

14 rows selected.

SQL> SELECT Ename  
2 FROM Emp;

## Spool Generated For Class of Oracle By Satish K Yellanki

```
ENAME
-----
KING
BLAKE
CLARK
JONES
MARTIN
ALLEN
TURNER
JAMES
WARD
FORD
SMITH
```

```
ENAME
-----
SCOTT
ADAMS
MILLER
```

14 rows selected.

```
SQL> SELECT Empno, Ename, MGR
       2 FROM Emp;
```

EMPNO	ENAME	MGR
7839	KING	
7698	BLAKE	7839
7782	CLARK	7839
7566	JONES	7839
7654	MARTIN	7698
7499	ALLEN	7698
7844	TURNER	7698
7900	JAMES	7698
7521	WARD	7698
7902	FORD	7566
7369	SMITH	7902

EMPNO	ENAME	MGR
7788	SCOTT	7566
7876	ADAMS	7788
7934	MILLER	7782

14 rows selected.

```
SQL> SELECT Empno, Ename, MGR, Job
       2 FROM Emp;
```

EMPNO	ENAME	MGR	JOB
7839	KING		PRESIDENT
7698	BLAKE	7839	MANAGER
7782	CLARK	7839	MANAGER

## Spool Generated For Class of Oracle By Satish K Yellanki

```
7566 JONES      7839 MANAGER
7654 MARTIN     7698 SALESMAN
7499 ALLEN      7698 SALESMAN
7844 TURNER     7698 SALESMAN
7900 JAMES      7698 CLERK
7521 WARD       7698 SALESMAN
7902 FORD       7566 ANALYST
7369 SMITH      7902 CLERK
```

```
EMPNO ENAME      MGR JOB
-----
7788 SCOTT       7566 ANALYST
7876 ADAMS      7788 CLERK
7934 MILLER     7782 CLERK
```

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Empno, Ename, Sal, Comm
2 FROM Emp;
```

```
EMPNO ENAME      SAL  COMM
-----
7839 KING         5000
7698 BLAKE        2850
7782 CLARK        2450
7566 JONES        2975
7654 MARTIN       1250  1400
7499 ALLEN        1600  300
7844 TURNER       1500   0
7900 JAMES         950
7521 WARD         1250  500
7902 FORD         3000
7369 SMITH        800
```

```
EMPNO ENAME      SAL  COMM
-----
7788 SCOTT        3000
7876 ADAMS        1100
7934 MILLER       1300
```

14 rows selected.

```
SQL> SELECT Empno, Ename, Job, Sal, Comm
2 FROM Emp;
```

```
EMPNO ENAME      JOB          SAL  COMM
-----
7839 KING        PRESIDENT    5000
7698 BLAKE        MANAGER      2850
7782 CLARK        MANAGER      2450
7566 JONES        MANAGER      2975
7654 MARTIN       SALESMAN     1250  1400
7499 ALLEN        SALESMAN     1600  300
7844 TURNER       SALESMAN     1500   0
```

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## Spool Generated For Class of Oracle By Satish K Yellanki

```
7900 JAMES      CLERK          950
7521 WARD       SALESMAN      1250    500
7902 FORD       ANALYST       3000
7369 SMITH      CLERK          800
```

```
EMPNO ENAME      JOB            SAL      COMM
-----
7788 SCOTT      ANALYST       3000
7876 ADAMS      CLERK         1100
7934 MILLER     CLERK         1300
```

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT
  2   Empno,
  3   Ename,
  4   Sal,
  5   HireDate,
  6   Job
  7 FROM Emp;
```

```
EMPNO ENAME      SAL HIREDATE      JOB
-----
7839 KING        5000 17-NOV-81     PRESIDENT
7698 BLAKE       2850 01-MAY-81     MANAGER
7782 CLARK       2450 09-JUN-81     MANAGER
7566 JONES       2975 02-APR-81     MANAGER
7654 MARTIN     1250 28-SEP-81     SALESMAN
7499 ALLEN      1600 20-FEB-81     SALESMAN
7844 TURNER     1500 08-SEP-81     SALESMAN
7900 JAMES       950 03-DEC-81     CLERK
7521 WARD       1250 22-FEB-81     SALESMAN
7902 FORD       3000 03-DEC-81     ANALYST
7369 SMITH      800 17-DEC-80     CLERK
```

```
EMPNO ENAME      SAL HIREDATE      JOB
-----
7788 SCOTT      3000 09-DEC-82     ANALYST
7876 ADAMS     1100 12-JAN-83     CLERK
7934 MILLER    1300 23-JAN-82     CLERK
```

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Sal * 12
  2 FROM Emp
  3
```

```
SQL> cl scr
```

```
SQL> SELECT Ename, Deptno, Sal, Sal * 12
  2 FROM Emp;
```

```
ENAME      DEPTNO      SAL      SAL*12
```



## Spool Generated For Class of Oracle By Satish K Yellanki

```
-----
KING      10  5000      60000
BLAKE     30  2850      34200
CLARK     10  2450      29400
JONES     20  2975      35700
MARTIN    30  1250      15000
ALLEN     30  1600      19200
TURNER    30  1500      18000
JAMES     30   950      11400
WARD      30  1250      15000
FORD      20  3000      36000
SMITH     20   800       9600
```

```
-----
ENAME     DEPTNO    SAL      SAL*12
-----
SCOTT      20    3000     36000
ADAMS      20    1100     13200
MILLER     10    1300     15600
```

14 rows selected.

```
SQL> SELECT Ename, Sal, Sal + 1000
       2 FROM Emp;
```

```
-----
ENAME     SAL      SAL+1000
-----
KING      5000     6000
BLAKE     2850     3850
CLARK     2450     3450
JONES     2975     3975
MARTIN    1250     2250
ALLEN     1600     2600
TURNER    1500     2500
JAMES     950      1950
WARD      1250     2250
FORD      3000     4000
SMITH     800      1800
```

```
-----
ENAME     SAL      SAL+1000
-----
SCOTT     3000     4000
ADAMS     1100     2100
MILLER    1300     2300
```

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, (Sal + 1000) * 12
       2 FROM Emp;
```

```
-----
ENAME     SAL (SAL+1000)*12
-----
KING      5000      72000
BLAKE     2850      46200
CLARK     2450      41400
```

## Spool Generated For Class of Oracle By Satish K Yellanki

JONES	2975	47700
MARTIN	1250	27000
ALLEN	1600	31200
TURNER	1500	30000
JAMES	950	23400
WARD	1250	27000
FORD	3000	48000
SMITH	800	21600

ENAME	SAL	(SAL+1000)*12
-----	-----	-----
SCOTT	3000	48000
ADAMS	1100	25200
MILLER	1300	27600

14 rows selected.

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```
1 SELECT Ename, (Sal + 1000) * 12
2* FROM Emp
SQL> /
```

ENAME	(SAL+1000)*12
-----	-----
KING	72000
BLAKE	46200
CLARK	41400
JONES	47700
MARTIN	27000
ALLEN	31200
TURNER	30000
JAMES	23400
WARD	27000
FORD	48000
SMITH	21600

ENAME	(SAL+1000)*12
-----	-----
SCOTT	48000
ADAMS	25200
MILLER	27600

14 rows selected.

SQL> ED

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```
1 SELECT
2  Ename,
3  Sal,
4  Sal * 12,
5  (Sal + 1000) * 12,
6  ((Sal + 1000) * 12) - (Sal * 12)
7* FROM Emp
```

**Spool Generated For Class of Oracle By Satish K Yellanki**

SQL> /

ENAME	SAL	SAL*12	(SAL+1000)*12	((SAL+1000)*12)-(SAL*12)
KING	5000	60000	72000	12000
BLAKE	2850	34200	46200	12000
CLARK	2450	29400	41400	12000
JONES	2975	35700	47700	12000
MARTIN	1250	15000	27000	12000
ALLEN	1600	19200	31200	12000
TURNER	1500	18000	30000	12000
JAMES	950	11400	23400	12000
WARD	1250	15000	27000	12000
FORD	3000	36000	48000	12000
SMITH	800	9600	21600	12000

ENAME	SAL	SAL*12	(SAL+1000)*12	((SAL+1000)*12)-(SAL*12)
SCOTT	3000	36000	48000	12000
ADAMS	1100	13200	25200	12000
MILLER	1300	15600	27600	12000

14 rows selected.

SQL> cl scr

SQL> SELECT Ename, Sal, Sal + 1000, Sal - 1000, Sal \* 12, Sal \* 6, Sal \* 12 + 1000  
2 FROM Emp;

ENAME	SAL	SAL+1000	SAL-1000	SAL*12	SAL*6	SAL*12+1000
KING	5000	6000	4000	60000	30000	61000
BLAKE	2850	3850	1850	34200	17100	35200
CLARK	2450	3450	1450	29400	14700	30400
JONES	2975	3975	1975	35700	17850	36700
MARTIN	1250	2250	250	15000	7500	16000
ALLEN	1600	2600	600	19200	9600	20200
TURNER	1500	2500	500	18000	9000	19000
JAMES	950	1950	-50	11400	5700	12400
WARD	1250	2250	250	15000	7500	16000
FORD	3000	4000	2000	36000	18000	37000
SMITH	800	1800	-200	9600	4800	10600

ENAME	SAL	SAL+1000	SAL-1000	SAL*12	SAL*6	SAL*12+1000
SCOTT	3000	4000	2000	36000	18000	37000
ADAMS	1100	2100	100	13200	6600	14200
MILLER	1300	2300	300	15600	7800	16600

14 rows selected.

SQL> cl scr

SQL> SELECT Ename, Sal, Comm  
2 FROM Emp;

## Spool Generated For Class of Oracle By Satish K Yellanki

ENAME	SAL	COMM
KING	5000	
BLAKE	2850	
CLARK	2450	
JONES	2975	
MARTIN	1250	1400
ALLEN	1600	300
TURNER	1500	0
JAMES	950	
WARD	1250	500
FORD	3000	
SMITH	800	

ENAME	SAL	COMM
SCOTT	3000	
ADAMS	1100	
MILLER	1300	

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Comm, Sal + Comm
2* FROM Emp
SQL> /
```

ENAME	SAL	COMM	SAL+COMM
KING	5000		
BLAKE	2850		
CLARK	2450		
JONES	2975		
MARTIN	1250	1400	2650
ALLEN	1600	300	1900
TURNER	1500	0	1500
JAMES	950		
WARD	1250	500	1750
FORD	3000		
SMITH	800		

ENAME	SAL	COMM	SAL+COMM
SCOTT	3000		
ADAMS	1100		
MILLER	1300		

14 rows selected.

SQL> cl scr

```
SQL> SELECT Ename, Sal, Comm, Sal + NVL(Comm, 0)
2 FROM Emp;
```

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## Spool Generated For Class of Oracle By Satish K Yellanki

ENAME	SAL	COMM	SAL+NVL(COMM,0)
KING	5000		5000
BLAKE	2850		2850
CLARK	2450		2450
JONES	2975		2975
MARTIN	1250	1400	2650
ALLEN	1600	300	1900
TURNER	1500	0	1500
JAMES	950		950
WARD	1250	500	1750
FORD	3000		3000
SMITH	800		800

ENAME	SAL	COMM	SAL+NVL(COMM,0)
SCOTT	3000		3000
ADAMS	1100		1100
MILLER	1300		1300

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, NVL(Comm, 500), Sal + NVL(Comm, 500)
2* FROM Emp
SQL> /
```

ENAME	SAL	NVL(COMM,500)	SAL+NVL(COMM,500)
KING	5000	500	5500
BLAKE	2850	500	3350
CLARK	2450	500	2950
JONES	2975	500	3475
MARTIN	1250	1400	2650
ALLEN	1600	300	1900
TURNER	1500	0	1500
JAMES	950	500	1450
WARD	1250	500	1750
FORD	3000	500	3500
SMITH	800	500	1300

ENAME	SAL	NVL(COMM,500)	SAL+NVL(COMM,500)
SCOTT	3000	500	3500
ADAMS	1100	500	1600
MILLER	1300	500	1800

14 rows selected.

SQL> cl scr

```
SQL> SELECT 125 + 25 * 35
2 FROM DUAL;
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
125+25*35
-----
      1000
```

```
SQL> SELECT 125, 25, 125 + 25
2 FROM DUAL;
```

```
      125      25      125+25
-----
      125      25      150
```

```
SQL> DESC DUAL
```

Name	Null?	Type
DUMMY		VARCHAR2(1)

```
SQL> cl scr
```

```
SQL> SELECT
2 ((&GVal1 + &GVal2) * &GVal3) / &GVal4
3 FROM DUAL;
```

```
Enter value for gval1: 12
Enter value for gval2: 25
Enter value for gval3: 30
Enter value for gval4: 5
```

```
((12+25)*30)/5
-----
      222
```

```
SQL> /
```

```
Enter value for gval1: 12
Enter value for gval2: NULL
Enter value for gval3: 30
Enter value for gval4: 7
```

```
((12+NULL)*30)/7
-----
```

```
SQL> cl scr
```

```
SQL> SELECT
2 Ename Name,
3 Sal Salary,
4 Comm Commission
5 FROM Emp;
```

NAME	SALARY	COMMISSION
KING	5000	
BLAKE	2850	
CLARK	2450	
JONES	2975	
MARTIN	1250	1400

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ALLEN	1600	300
TURNER	1500	0
JAMES	950	
WARD	1250	500
FORD	3000	
SMITH	800	

NAME	SALARY	COMMISSION
SCOTT	3000	
ADAMS	1100	
MILLER	1300	

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT
2 Ename Name,
3 Sal Salary,
4 Comm Commission,
5 Sal + NVL(Comm, 0)
6* FROM Emp
```

SQL> /

NAME	SALARY	COMMISSION	SAL+NVL(COMM,0)
KING	5000		5000
BLAKE	2850		2850
CLARK	2450		2450
JONES	2975		2975
MARTIN	1250	1400	2650
ALLEN	1600	300	1900
TURNER	1500	0	1500
JAMES	950		950
WARD	1250	500	1750
FORD	3000		3000
SMITH	800		800

NAME	SALARY	COMMISSION	SAL+NVL(COMM,0)
SCOTT	3000		3000
ADAMS	1100		1100
MILLER	1300		1300

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT
2 Ename Name,
3 Sal Salary,
4 Comm Commission,
5 Sal + NVL(Comm, 0) Gross
```

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```
6* FROM Emp
SQL> /
```

NAME	SALARY	COMMISSION	GROSS
KING	5000		5000
BLAKE	2850		2850
CLARK	2450		2450
JONES	2975		2975
MARTIN	1250	1400	2650
ALLEN	1600	300	1900
TURNER	1500	0	1500
JAMES	950		950
WARD	1250	500	1750
FORD	3000		3000
SMITH	800		800

NAME	SALARY	COMMISSION	GROSS
SCOTT	3000		3000
ADAMS	1100		1100
MILLER	1300		1300

14 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT
2 Ename Name,
3 Sal Salary,
4 Comm Commission,
5 Sal + NVL(Comm, 0) Gross Salary
6* FROM Emp
```

```
SQL> /
Sal + NVL(Comm, 0) Gross Salary
*
```

```
ERROR at line 5:
ORA-00923: FROM keyword not found where expected
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT
2 Ename Name,
3 Sal Salary,
4 Comm Commission,
5 Sal + NVL(Comm, 0) "Gross Salary"
6* FROM Emp
```

```
SQL> /
```

NAME	SALARY	COMMISSION	Gross Salary
KING	5000		5000
BLAKE	2850		2850



## Spool Generated For Class of Oracle By Satish K Yellanki

CLARK	2450		2450
JONES	2975		2975
MARTIN	1250	1400	2650
ALLEN	1600	300	1900
TURNER	1500	0	1500
JAMES	950		950
WARD	1250	500	1750
FORD	3000		3000
SMITH	800		800

NAME	SALARY	COMMISSION	Gross Salary
SCOTT	3000		3000
ADAMS	1100		1100
MILLER	1300		1300

14 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Ename AS Name,
3  Sal AS Salary,
4  Comm AS Commission,
5  Sal + NVL(Comm, 0) AS "Gross Salary"
6* FROM Emp
```

```
SQL> /
```

NAME	SALARY	COMMISSION	Gross Salary
KING	5000		5000
BLAKE	2850		2850
CLARK	2450		2450
JONES	2975		2975
MARTIN	1250	1400	2650
ALLEN	1600	300	1900
TURNER	1500	0	1500
JAMES	950		950
WARD	1250	500	1750
FORD	3000		3000
SMITH	800		800

NAME	SALARY	COMMISSION	Gross Salary
SCOTT	3000		3000
ADAMS	1100		1100
MILLER	1300		1300

14 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Empno Number,
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
3  Ename Name,
4  Sal Salary,
5  Comm Commission,
6  Sal + NVL(Comm, 0) "Gross Salary"
7* FROM Emp
SQL> /
Empno Number,
      *
ERROR at line 2:
ORA-00923: FROM keyword not found where expected
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2  Empno "Number",
3  Ename Name,
4  Sal Salary,
5  Comm Commission,
6  Sal + NVL(Comm, 0) "Gross Salary"
7* FROM Emp
SQL> /
```

Number	NAME	SALARY	COMMISSION	Gross Salary
7839	KING	5000		5000
7698	BLAKE	2850		2850
7782	CLARK	2450		2450
7566	JONES	2975		2975
7654	MARTIN	1250	1400	2650
7499	ALLEN	1600	300	1900
7844	TURNER	1500	0	1500
7900	JAMES	950		950
7521	WARD	1250	500	1750
7902	FORD	3000		3000
7369	SMITH	800		800

Number	NAME	SALARY	COMMISSION	Gross Salary
7788	SCOTT	3000		3000
7876	ADAMS	1100		1100
7934	MILLER	1300		1300

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Ename Name, Sal Salary, Comm Job, HireDate JoinDate
2  FROM Emp;
```

NAME	SALARY	JOB	JOINDATE
KING	5000		17-NOV-81
BLAKE	2850		01-MAY-81
CLARK	2450		09-JUN-81

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## Spool Generated For Class of Oracle By Satish K Yellanki

JONES	2975		02-APR-81
MARTIN	1250	1400	28-SEP-81
ALLEN	1600	300	20-FEB-81
TURNER	1500	0	08-SEP-81
JAMES	950		03-DEC-81
WARD	1250	500	22-FEB-81
FORD	3000		03-DEC-81
SMITH	800		17-DEC-80

NAME	SALARY	JOB	JOINDATE
SCOTT	3000		09-DEC-82
ADAMS	1100		12-JAN-83
MILLER	1300		23-JAN-82

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename Name, Sal Salary, Comm Job HireDate
2* FROM Emp
```

SQL> /

```
SELECT Ename Name, Sal Salary, Comm Job HireDate
*
```

ERROR at line 1:

ORA-00923: FROM keyword not found where expected

SQL> cl scr

```
SQL> SELECT Ename, Sal Salary, Comm, Salary + NVL(Comm, 0) TotSal
2 FROM Emp;
```

```
SELECT Ename, Sal Salary, Comm, Salary + NVL(Comm, 0) TotSal
*
```

ERROR at line 1:

ORA-00904: "SALARY": invalid identifier

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal Salary, Comm, Sal + NVL(Comm, 0) TotSal
2* FROM Emp
```

SQL> /

ENAME	SALARY	COMM	TOTSAL
KING	5000		5000
BLAKE	2850		2850
CLARK	2450		2450
JONES	2975		2975
MARTIN	1250	1400	2650
ALLEN	1600	300	1900
TURNER	1500	0	1500
JAMES	950		950

## Spool Generated For Class of Oracle By Satish K Yellanki

WARD	1250	500	1750
FORD	3000		3000
SMITH	800		800

ENAME	SALARY	COMM	TOTSAL
SCOTT	3000		3000
ADAMS	1100		1100
MILLER	1300		1300

14 rows selected.

SQL> SPOOL OFF

SQL> cl scr

SQL> SELECT

```
2 Ename, ' You Are Working For Department ', Deptno
3 FROM Emp;
```

ENAME	'YOUAREWORKINGFORDEPARTMENT'	DEPTNO
KING	You Are Working For Department	10
BLAKE	You Are Working For Department	30
CLARK	You Are Working For Department	10
JONES	You Are Working For Department	20
MARTIN	You Are Working For Department	30
ALLEN	You Are Working For Department	30
TURNER	You Are Working For Department	30
JAMES	You Are Working For Department	30
WARD	You Are Working For Department	30
FORD	You Are Working For Department	20
SMITH	You Are Working For Department	20

ENAME	'YOUAREWORKINGFORDEPARTMENT'	DEPTNO
SCOTT	You Are Working For Department	20
ADAMS	You Are Working For Department	20
MILLER	You Are Working For Department	10

14 rows selected.

Execution Plan

```
-----
0      SELECT STATEMENT Optimizer=ALL_ROWS (Cost=3 Card=14 Bytes=28
      0)

1      0  TABLE ACCESS (FULL) OF 'EMP' (TABLE) (Cost=3 Card=14 Bytes
      =280)
```

SQL> ED

Wrote file afiedt.buf

## Spool Generated For Class of Oracle By Satish K Yellanki

```
1 SELECT
2 Ename, ''s Designation is ', Job, ' With Salary of ', Sal
3* FROM Emp
SQL> /
```

ENAME	''SDESIGNATIONIS'	JOB	'WITHSALARYOF'	SAL
KING	's Designation is	PRESIDENT	With Salary of	5000
BLAKE	's Designation is	MANAGER	With Salary of	2850
CLARK	's Designation is	MANAGER	With Salary of	2450
JONES	's Designation is	MANAGER	With Salary of	2975
MARTIN	's Designation is	SALESMAN	With Salary of	1250
ALLEN	's Designation is	SALESMAN	With Salary of	1600
TURNER	's Designation is	SALESMAN	With Salary of	1500
JAMES	's Designation is	CLERK	With Salary of	950
WARD	's Designation is	SALESMAN	With Salary of	1250
FORD	's Designation is	ANALYST	With Salary of	3000
SMITH	's Designation is	CLERK	With Salary of	800

ENAME	''SDESIGNATIONIS'	JOB	'WITHSALARYOF'	SAL
SCOTT	's Designation is	ANALYST	With Salary of	3000
ADAMS	's Designation is	CLERK	With Salary of	1100
MILLER	's Designation is	CLERK	With Salary of	1300

14 rows selected.

### Execution Plan

```
-----
0      SELECT STATEMENT Optimizer=ALL_ROWS (Cost=3 Card=14 Bytes=36
      4)

1      0      TABLE ACCESS (FULL) OF 'EMP' (TABLE) (Cost=3 Card=14 Bytes
      =364)
```

```
SQL> cl scr
```

```
SQL> SET AUTOTRACE OFF EXPLAIN
```

```
SQL> cl scr
```

```
SQL> SELECT Empno||Ename||Job||Sal||Comm||MGR||HireDate||Deptno Employee
2 FROM Emp;
```

### EMPLOYEE

```
-----
7839KINGPRESIDENT500017-NOV-8110
7698BLAKEMANAGER2850783901-MAY-8130
7782CLARKMANAGER2450783909-JUN-8110
7566JONESMANAGER2975783902-APR-8120
7654MARTINSALESMAN12501400769828-SEP-8130
7499ALLENSALESMAN1600300769820-FEB-8130
7844TURNERSALESMAN15000769808-SEP-8130
```

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## Spool Generated For Class of Oracle By Satish K Yellanki

7900JAMESCLERK950769803-DEC-8130  
7521WARDSALESMAN1250500769822-FEB-8130  
7902FORDANALYST3000756603-DEC-8120  
7369SMITHCLERK800790217-DEC-8020

EMPLOYEE

---

7788SCOTTANALYST3000756609-DEC-8220  
7876ADAMSCLERK1100778812-JAN-8320  
7934MILLERCLERK1300778223-JAN-8210

14 rows selected.

SQL> ED  
Wrote file afiedt.buf

```
 1 SELECT
 2 Empno||' is '||Ename||' With Designation of '||Job||' Earning A Salary of
' ||Sal||' With Commission of '||NVL(Comm, 0)||' Joined on '||HireDate||' in the
Department '||Deptno Employee
 3* FROM Emp
SQL> cl scr
```

SQL> /

EMPLOYEE

---

7839 is KING With Designation of PRESIDENT Earning A Salary of 5000 With Commission of 0 Joined on 17-NOV-81 in the Department 10

7698 is BLAKE With Designation of MANAGER Earning A Salary of 2850 With Commission of 0 Joined on 01-MAY-81 in the Department 30

7782 is CLARK With Designation of MANAGER Earning A Salary of 2450 With Commission of 0 Joined on 09-JUN-81 in the Department 10

7566 is JONES With Designation of MANAGER Earning A Salary of 2975 With Commission of 0 Joined on 02-APR-81 in the Department 20

EMPLOYEE

---

7654 is MARTIN With Designation of SALESMAN Earning A Salary of 1250 With Commission of 1400 Joined on 28-SEP-81 in the Department 30

7499 is ALLEN With Designation of SALESMAN Earning A Salary of 1600 With Commission of 300 Joined on 20-FEB-81 in the Department 30

7844 is TURNER With Designation of SALESMAN Earning A Salary of 1500 With Commission of 0 Joined on 08-SEP-81 in the Department 30

7900 is JAMES With Designation of CLERK Earning A Salary of 950 With Commission

EMPLOYEE

---

of 0 Joined on 03-DEC-81 in the Department 30

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## Spool Generated For Class of Oracle By Satish K Yellanki

7521 is WARD With Designation of SALESMAN Earning A Salary of 1250 With Commission of 500 Joined on 22-FEB-81 in the Department 30

7902 is FORD With Designation of ANALYST Earning A Salary of 3000 With Commission of 0 Joined on 03-DEC-81 in the Department 20

7369 is SMITH With Designation of CLERK Earning A Salary of 800 With Commission of 0 Joined on 17-DEC-80 in the Department 20

### EMPLOYEE

7788 is SCOTT With Designation of ANALYST Earning A Salary of 3000 With Commission of 0 Joined on 09-DEC-82 in the Department 20

7876 is ADAMS With Designation of CLERK Earning A Salary of 1100 With Commission of 0 Joined on 12-JAN-83 in the Department 20

7934 is MILLER With Designation of CLERK Earning A Salary of 1300 With Commission of 0 Joined on 23-JAN-82 in the Department 10

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT
2  Ename||''s Salary is Fixed As '||Sal||' Monthly Costing Annually At '||Sal
* 12 "Employees And Salaries"
3* FROM Emp
SQL> /
```

### Employees And Salaries

KING's Salary is Fixed As 5000 Monthly Costing Annually At 60000  
BLAKE's Salary is Fixed As 2850 Monthly Costing Annually At 34200  
CLARK's Salary is Fixed As 2450 Monthly Costing Annually At 29400  
JONES's Salary is Fixed As 2975 Monthly Costing Annually At 35700  
MARTIN's Salary is Fixed As 1250 Monthly Costing Annually At 15000  
ALLEN's Salary is Fixed As 1600 Monthly Costing Annually At 19200  
TURNER's Salary is Fixed As 1500 Monthly Costing Annually At 18000  
JAMES's Salary is Fixed As 950 Monthly Costing Annually At 11400  
WARD's Salary is Fixed As 1250 Monthly Costing Annually At 15000  
FORD's Salary is Fixed As 3000 Monthly Costing Annually At 36000  
SMITH's Salary is Fixed As 800 Monthly Costing Annually At 9600

### Employees And Salaries

SCOTT's Salary is Fixed As 3000 Monthly Costing Annually At 36000  
ADAMS's Salary is Fixed As 1100 Monthly Costing Annually At 13200  
MILLER's Salary is Fixed As 1300 Monthly Costing Annually At 15600

14 rows selected.

## Spool Generated For Class of Oracle By Satish K Yellanki

```
SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Sum of '||&GNum1||' And '||&GNum2||' is '||&GNum1 + &GNum2 Result
  3* FROM DUAL
SQL> /
Enter value for gnum1: 25
Enter value for gnum2: 45
Enter value for gnum1:
Enter value for gnum2:
'The Sum of '||25||' And '||45||' is '|| + Result
*

ERROR at line 2:
ORA-00904: "RESULT": invalid identifier

SQL> cl scr

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Sum of '||&GNum1||' And '||&GNum2||' is '||&GNum3 + &GNum4 Result
  3* FROM DUAL
SQL> /
Enter value for gnum1: 25
Enter value for gnum2: 45
Enter value for gnum3: 25
Enter value for gnum4: 45
'The Sum of '||25||' And '||45||' is '||25 + 45 Result
*

ERROR at line 2:
ORA-01722: invalid number

SQL> ED
Wrote file afiedt.buf

  1  SELECT
  2  'The Sum of '||&GNum1||' And '||&GNum2||' is '||(&GNum3 + &GNum4) Result
  3* FROM DUAL
SQL> /
Enter value for gnum1: 25
Enter value for gnum2: 45
Enter value for gnum3: 25
Enter value for gnum4: 45

RESULT
-----
The Sum of 25 And 45 is 70

SQL> cl scr

SQL> SELECT Ename FROM Emp;
```



## Spool Generated For Class of Oracle By Satish K Yellanki

```
ENAME
-----
KING
BLAKE
CLARK
JONES
MARTIN
ALLEN
TURNER
JAMES
WARD
FORD
SMITH
```

```
ENAME
-----
SCOTT
ADAMS
MILLER
```

14 rows selected.

```
SQL> SELECT Deptno FROM Emp;
```

```
DEPTNO
-----
      10
      30
      10
      20
      30
      30
      30
      30
      30
      30
      20
      20
```

```
DEPTNO
-----
      20
      20
      10
```

14 rows selected.

```
SQL> SELECT Ename, Deptno FROM Emp;
```

```
ENAME          DEPTNO
-----
KING              10
BLAKE             30
CLARK             10
JONES             20
MARTIN            30
ALLEN             30
```

## Spool Generated For Class of Oracle By Satish K Yellanki

TURNER	30
JAMES	30
WARD	30
FORD	20
SMITH	20

ENAME	DEPTNO
-----	-----
SCOTT	20
ADAMS	20
MILLER	10

14 rows selected.

```
SQL> SELECT Job FROM Emp;
```

```
JOB
-----
PRESIDENT
MANAGER
MANAGER
MANAGER
SALESMAN
SALESMAN
SALESMAN
CLERK
SALESMAN
ANALYST
CLERK
```

```
JOB
-----
ANALYST
CLERK
CLERK
```

14 rows selected.

```
SQL> SELECT Ename, Job FROM Emp;
```

ENAME	JOB
-----	-----
KING	PRESIDENT
BLAKE	MANAGER
CLARK	MANAGER
JONES	MANAGER
MARTIN	SALESMAN
ALLEN	SALESMAN
TURNER	SALESMAN
JAMES	CLERK
WARD	SALESMAN
FORD	ANALYST
SMITH	CLERK

ENAME	JOB
-----	-----

## Spool Generated For Class of Oracle By Satish K Yellanki

```
SCOTT      ANALYST
ADAMS      CLERK
MILLER     CLERK
```

14 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT DISTINCT Deptno FROM Emp;
```

```
      DEPTNO
-----
          10
          20
          30
```

```
SQL> SELECT DISTINCT Job FROM Emp;
```

```
      JOB
-----
ANALYST
CLERK
MANAGER
PRESIDENT
SALESMAN
```

```
SQL> SELECT MGR FROM Emp;
```

```
      MGR
-----
      7839
      7839
      7839
      7698
      7698
      7698
      7698
      7698
      7698
      7566
      7902

      MGR
-----
      7566
      7788
      7782
```

14 rows selected.

```
SQL> SELECT DISTINCT MGR FROM Emp;
```

```
      MGR
-----
      7566
      7698
```

## Spool Generated For Class of Oracle By Satish K Yellanki

7782  
7788  
7839  
7902

7 rows selected.

SQL> SELECT Comm FROM Emp;

COMM  
-----

1400  
300  
0  
  
500

COMM  
-----

14 rows selected.

SQL> SELECT DITINCT Comm FROM Emp;  
SELECT DITINCT Comm FROM Emp

\*

ERROR at line 1:

ORA-00904: "DITINCT": invalid identifier

SQL> SELECT DISTINCT Comm FROM Emp;

COMM  
-----  
0  
300  
500  
1400

SQL> cl scr

SQL> SELECT Empno FROM Emp;

EMPNO  
-----  
7369

## Spool Generated For Class of Oracle By Satish K Yellanki

7499  
7521  
7566  
7654  
7698  
7782  
7788  
7839  
7844  
7876

EMPNO

-----  
7900  
7902  
7934

14 rows selected.

SQL> SELECT DISTINCT Empno FROM Emp;

EMPNO

-----  
7369  
7499  
7521  
7566  
7654  
7698  
7782  
7788  
7839  
7844  
7876

EMPNO

-----  
7900  
7902  
7934

14 rows selected.

SQL> cl scr

SQL> SELECT Deptno, Job FROM Emp;

DEPTNO JOB

-----  
10 PRESIDENT  
30 MANAGER  
10 MANAGER  
20 MANAGER  
30 SALESMAN  
30 SALESMAN  
30 SALESMAN

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## Spool Generated For Class of Oracle By Satish K Yellanki

```
30 CLERK
30 SALESMAN
20 ANALYST
20 CLERK
```

```
DEPTNO JOB
-----
20 ANALYST
20 CLERK
10 CLERK
```

14 rows selected.

```
SQL> SELECT DISTINCT Deptno, Job FROM Emp;
```

```
DEPTNO JOB
-----
10 CLERK
10 MANAGER
10 PRESIDENT
20 ANALYST
20 CLERK
20 MANAGER
30 CLERK
30 MANAGER
30 SALESMAN
```

9 rows selected.

```
SQL> SELECT DISTINCT Deptno, DISTINCT Job FROM Emp;
SELECT DISTINCT Deptno, DISTINCT Job FROM Emp
```

\*

```
ERROR at line 1:
ORA-00936: missing expression
```

```
SQL> SELECT Deptno, DISTINCT Job FROM Emp;
SELECT Deptno, DISTINCT Job FROM Emp
```

\*

```
ERROR at line 1:
ORA-00936: missing expression
```

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Deptno, Job
2 FROM Emp;
```

```
ENAME          SAL          DEPTNO JOB
-----
KING            5000          10 PRESIDENT
BLAKE           2850          30 MANAGER
CLARK           2450          10 MANAGER
JONES           2975          20 MANAGER
MARTIN          1250          30 SALESMAN
ALLEN           1600          30 SALESMAN
```

## Spool Generated For Class of Oracle By Satish K Yellanki

TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SMITH	800	20	CLERK

ENAME	SAL	DEPTNO	JOB
-----	-----	-----	-----
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK
MILLER	1300	10	CLERK

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Job = 'MANAGER'
SQL> /
```

ENAME	SAL	DEPTNO	JOB
-----	-----	-----	-----
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
JONES	2975	20	MANAGER

SQL> SPOOL OFF

SQL> cl scr

```
SQL> SELECT Ename, Sal
2 FROM Emp;
```

ENAME	SAL
-----	-----
KING	5000
BLAKE	2850
CLARK	2450
JONES	2975
MARTIN	1250
ALLEN	1600
TURNER	1500
JAMES	950
WARD	1250
FORD	3000
SMITH	800

ENAME	SAL
-----	-----
SCOTT	3000
ADAMS	1100
MILLER	1300

14 rows selected.

## Spool Generated For Class of Oracle By Satish K Yellanki

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal
2 FROM Emp
3* WHERE Sal >= 3000
SQL> /
```

ENAME	SAL
KING	5000
FORD	3000
SCOTT	3000

```
SQL> SELECT Ename, Deptno, Job, HireDate
2 FROM Emp
3 WHERE HireDate = '03-DEC-81';
```

ENAME	DEPTNO	JOB	HIREDATE
JAMES	30	CLERK	03-DEC-81
FORD	20	ANALYST	03-DEC-81

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Deptno, Job, HireDate
2 FROM Emp
3* WHERE HireDate = '03-DECEMBER-81'
SQL> /
```

ENAME	DEPTNO	JOB	HIREDATE
JAMES	30	CLERK	03-DEC-81
FORD	20	ANALYST	03-DEC-81

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Deptno, Job, HireDate
2 FROM Emp
3* WHERE HireDate = '03-DECEMBER-1981'
SQL> /
```

ENAME	DEPTNO	JOB	HIREDATE
JAMES	30	CLERK	03-DEC-81
FORD	20	ANALYST	03-DEC-81

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Deptno, Job, HireDate
2 FROM Emp
3* WHERE HireDate = '03-DECEMBER-2081'
SQL> /
```



## Spool Generated For Class of Oracle By Satish K Yellanki

no rows selected

SQL> ED

Wrote file afiedt.buf

```
 1 SELECT Ename||' is Working in Department '||Deptno||' Joined On '||HireDate
Employee
 2 FROM Emp
 3* WHERE HireDate = '03-DECEMBER-1981'
SQL> /
```

EMPLOYEE

-----  
JAMES is Working in Department 30 Joined On 03-DEC-81  
FORD is Working in Department 20 Joined On 03-DEC-81

SQL> cl scr

```
SQL> SELECT DISTINCT Job
 2 FROM Emp;
```

JOB

-----  
ANALYST  
CLERK  
MANAGER  
PRESIDENT  
SALESMAN

SQL> ED

Wrote file afiedt.buf

```
 1 SELECT DISTINCT Job
 2 FROM Emp
 3* WHERE Job <> 'CLERK'
SQL> /
```

JOB

-----  
ANALYST  
MANAGER  
PRESIDENT  
SALESMAN

SQL> cl scr

```
SQL> SELECT Ename, Sal, Deptno, Job
 2 FROM Emp
 3 /
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER

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## Spool Generated For Class of Oracle By Satish K Yellanki

JONES	2975	20	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SMITH	800	20	CLERK

ENAME	SAL	DEPTNO	JOB
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK
MILLER	1300	10	CLERK

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Job <> 'CLERK'
```

SQL> /

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
JONES	2975	20	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SCOTT	3000	20	ANALYST

10 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Job = 'CLERK'
```

SQL> /

ENAME	SAL	DEPTNO	JOB
JAMES	950	30	CLERK
SMITH	800	20	CLERK
ADAMS	1100	20	CLERK
MILLER	1300	10	CLERK

SQL> ED

## Spool Generated For Class of Oracle By Satish K Yellanki

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Deptno <> 20
SQL> /
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
MILLER	1300	10	CLERK

9 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Ename, Deptno, Sal, Sal * 12 AnnSal
2 FROM Emp
3 WHERE Sal * 12 > 35000;
```

ENAME	DEPTNO	SAL	ANNSAL
KING	10	5000	60000
JONES	20	2975	35700
FORD	20	3000	36000
SCOTT	20	3000	36000

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Ename, Deptno, Sal
2 FROM Emp
3* WHERE Sal * 12 > 35000
SQL> /
```

ENAME	DEPTNO	SAL
KING	10	5000
JONES	20	2975
FORD	20	3000
SCOTT	20	3000

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Ename, Deptno, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3* WHERE Sal + NVL(Comm, 0) > 2800
SQL> /
```

## Spool Generated For Class of Oracle By Satish K Yellanki

ENAME	DEPTNO	SAL	COMM	TOTSAL
KING	10	5000		5000
BLAKE	30	2850		2850
JONES	20	2975		2975
FORD	20	3000		3000
SCOTT	20	3000		3000

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Deptno, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3* WHERE TotSal > 2800
```

SQL> /

WHERE TotSal > 2800

\*

ERROR at line 3:

ORA-00904: "TOTSAL": invalid identifier

SQL> cl scr

SQL> SELECT 'Apple is Fruit' Fruit

```
2 FROM Emp
```

```
3 WHERE Empno = 7566;
```

FRUIT

-----  
Apple is Fruit

SQL> ED

Wrote file afiedt.buf

```
1 SELECT 'Apple is Fruit' Fruit
```

```
2 FROM Emp
```

```
3* WHERE Empno = 1234
```

SQL> /

no rows selected

SQL> cl scr

SQL> SELECT 125 Value1, 25 Value2, 125 + 25 Result

```
2 FROM DUAL
```

```
3 WHERE 'APPLE' = 'APPLE';
```

VALUE1	VALUE2	RESULT
125	25	150

SQL> ED

Wrote file afiedt.buf

```
1 SELECT 125 Value1, 25 Value2, 125 + 25 Result
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
2 FROM DUAL
3* WHERE 'APPLE' = 'APPLe'
SQL> /
```

no rows selected

```
SQL> cl scr
```

```
SQL> SELECT
2   Ename,
3   Sal,
4   Deptno,
5   Job
6 FROM Emp
7 WHERE
8 Deptno = 20 AND Job = 'MANAGER';
```

ENAME	SAL	DEPTNO	JOB
JONES	2975	20	MANAGER

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT
2   Ename,
3   Sal,
4   Deptno,
5   Job
6 FROM Emp
7 WHERE
8* Deptno = 20
SQL> /
```

ENAME	SAL	DEPTNO	JOB
JONES	2975	20	MANAGER
FORD	3000	20	ANALYST
SMITH	800	20	CLERK
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT
2   Ename,
3   Sal,
4   Deptno,
5   Job
6 FROM Emp
7 WHERE
8* Job = 'MANAGER'
SQL> /
```

ENAME	SAL	DEPTNO	JOB
-------	-----	--------	-----

## Spool Generated For Class of Oracle By Satish K Yellanki

```
-----  
BLAKE          2850          30  MANAGER  
CLARK          2450          10  MANAGER  
JONES         2975          20  MANAGER
```

SQL> ED

Wrote file afiedt.buf

```
1  SELECT  
2  Ename,  
3  Sal,  
4  Deptno,  
5  Job  
6  FROM Emp  
7  WHERE  
8* Deptno = 20 AND Job = 'MANAGER'  
SQL> /
```

```
-----  
ENAME          SAL          DEPTNO  JOB  
-----  
JONES         2975          20  MANAGER
```

SQL> cl scr

```
SQL> SELECT  
2  Empno,  
3  Ename,  
4  Job,  
5  Sal  
6  FROM Emp  
7  WHERE Sal >= 1100;
```

```
-----  
EMPNO  ENAME          JOB          SAL  
-----  
7839  KING            PRESIDENT    5000  
7698  BLAKE          MANAGER      2850  
7782  CLARK          MANAGER      2450  
7566  JONES          MANAGER      2975  
7654  MARTIN         SALESMAN     1250  
7499  ALLEN          SALESMAN     1600  
7844  TURNER         SALESMAN     1500  
7521  WARD           SALESMAN     1250  
7902  FORD           ANALYST      3000  
7788  SCOTT          ANALYST      3000  
7876  ADAMS          CLERK        1100  
  
EMPNO  ENAME          JOB          SAL  
-----  
7934  MILLER         CLERK        1300
```

12 rows selected.

```
SQL> SELECT  
2  Empno,  
3  Ename,  
4  Job,
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
5 Sal
6 FROM Emp
7 WHERE Job = 'CLERK';
```

EMPNO	ENAME	JOB	SAL
7900	JAMES	CLERK	950
7369	SMITH	CLERK	800
7876	ADAMS	CLERK	1100
7934	MILLER	CLERK	1300

```
SQL> SELECT
2 Empno,
3 Ename,
4 Job,
5 Sal
6 FROM Emp
7 WHERE Sal >= 1100 AND Job = 'CLERK';
```

EMPNO	ENAME	JOB	SAL
7876	ADAMS	CLERK	1100
7934	MILLER	CLERK	1300

```
SQL> cl scr
```

```
SQL> SELECT
2 Ename,
3 Sal ,
4 Job
5 FROM Emp
6 WHERE
7 Sal >= 1500 AND Sal >= 2850;
```

ENAME	SAL	JOB
KING	5000	PRESIDENT
BLAKE	2850	MANAGER
JONES	2975	MANAGER
FORD	3000	ANALYST
SCOTT	3000	ANALYST

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT
2 Ename,
3 Sal ,
4 Job
5 FROM Emp
6 WHERE
7* Sal >= 2850
SQL> /
```

ENAME	SAL	JOB
-------	-----	-----

## Spool Generated For Class of Oracle By Satish K Yellanki

```
KING          5000 PRESIDENT
BLAKE         2850  MANAGER
JONES         2975  MANAGER
FORD          3000  ANALYST
SCOTT         3000  ANALYST
```

```
SQL> ED
```

```
Wrote file afiedt.buf
```

```
 1  SELECT
 2  Ename,
 3  Sal ,
 4  Job
 5  FROM Emp
 6  WHERE
 7* Sal = 1250 AND Sal = 3000
SQL> /
```

```
no rows selected
```

```
SQL> ED
```

```
Wrote file afiedt.buf
```

```
 1  SELECT
 2  Ename,
 3  Sal ,
 4  Job
 5  FROM Emp
 6  WHERE
 7* Sal = 1250 AND Sal <> 3000
SQL> /
```

ENAME	SAL	JOB
MARTIN	1250	SALESMAN
WARD	1250	SALESMAN

```
SQL> cl scr
```

```
SQL> ED
```

```
Wrote file afiedt.buf
```

```
 1  SELECT
 2  Ename,
 3  Sal ,
 4  Job
 5  FROM Emp
 6  WHERE
 7* Job = 'MANAGER' AND Job = 'ANALYST'
SQL> /
```

```
no rows selected
```

```
SQL> SELECT
 2  Ename,
 3  Sal,
```



## Spool Generated For Class of Oracle By Satish K Yellanki

```
4 Job
5 FROM Emp
6 WHERE
7 (Sal >= 1500 AND Sal <= 2850) AND
8 Job = 'MANAGER';
```

ENAME	SAL	JOB
BLAKE	2850	MANAGER
CLARK	2450	MANAGER

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT
2   Ename,
3   Sal,
4   Job
5 FROM Emp
6 WHERE
7 Sal >= 1500 AND Sal <= 2850 AND
8* Job = 'MANAGER'
SQL> /
```

ENAME	SAL	JOB
BLAKE	2850	MANAGER
CLARK	2450	MANAGER

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT
2   Ename,
3   Sal,
4   Job
5 FROM Emp
6 WHERE
7* Sal >= 1500 AND (Sal <= 2850 AND Job = 'MANAGER')
SQL> /
```

ENAME	SAL	JOB
BLAKE	2850	MANAGER
CLARK	2450	MANAGER

```
SQL> cl scr
```

```
SQL> SELECT Ename, Deptno, Job
2 FROM Emp
3 WHERE Deptno = 20 OR Job = 'MANAGER';
```

ENAME	DEPTNO	JOB
BLAKE	30	MANAGER
CLARK	10	MANAGER

## Spool Generated For Class of Oracle By Satish K Yellanki

```
JONES          20 MANAGER
FORD           20 ANALYST
SMITH          20 CLERK
SCOTT          20 ANALYST
ADAMS          20 CLERK
```

7 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3 WHERE Deptno = 10 OR Deptno = 30;
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
MILLER	1300	10	CLERK

9 rows selected.

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Sal = 1250 OR Sal = 3000
SQL> /
```

ENAME	SAL	DEPTNO	JOB
MARTIN	1250	30	SALESMAN
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SCOTT	3000	20	ANALYST

```
SQL> cl scr
```

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Sal >= 1250 AND Sal <= 3000
SQL> /
```

ENAME	SAL	DEPTNO	JOB
BLAKE	2850	30	MANAGER

## Spool Generated For Class of Oracle By Satish K Yellanki

CLARK	2450	10	MANAGER
JONES	2975	20	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SCOTT	3000	20	ANALYST
MILLER	1300	10	CLERK

10 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Sal <= 1250 OR Sal >= 3000
SQL> /
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
MARTIN	1250	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SMITH	800	20	CLERK
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK

8 rows selected.

SQL> cl scr

```
SQL> SELECT
2  Ename,
3  Sal,
4  Job
5  FROM Emp
6  WHERE Sal >= 1500 OR Sal >= 2850;
```

ENAME	SAL	JOB
KING	5000	PRESIDENT
BLAKE	2850	MANAGER
CLARK	2450	MANAGER
JONES	2975	MANAGER
ALLEN	1600	SALESMAN
TURNER	1500	SALESMAN
FORD	3000	ANALYST
SCOTT	3000	ANALYST

8 rows selected.

SQL> ED

## Spool Generated For Class of Oracle By Satish K Yellanki

Wrote file afiedt.buf

```
1  SELECT
2  Ename,
3  Sal,
4  Job
5  FROM Emp
6* WHERE Sal >= 1500
SQL> /
```

ENAME	SAL	JOB
KING	5000	PRESIDENT
BLAKE	2850	MANAGER
CLARK	2450	MANAGER
JONES	2975	MANAGER
ALLEN	1600	SALESMAN
TURNER	1500	SALESMAN
FORD	3000	ANALYST
SCOTT	3000	ANALYST

8 rows selected.

SQL> cl scr

```
SQL> SELECT Ename, Sal, Deptno, Job
2  FROM Emp
3  WHERE Job <> 'MANAGER';
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SMITH	800	20	CLERK
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK
MILLER	1300	10	CLERK

11 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Ename, Sal, Deptno, Job
2  FROM Emp
3* WHERE NOT Job = 'MANAGER'
SQL> /
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT

## Spool Generated For Class of Oracle By Satish K Yellanki

MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SMITH	800	20	CLERK
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK
MILLER	1300	10	CLERK

11 rows selected.

SQL> cl scr

```
SQL> SELECT Ename, Deptno, Job
  2  FROM Emp
  3  WHERE Job = 'SALESMAN';
```

ENAME	DEPTNO	JOB
MARTIN	30	SALESMAN
ALLEN	30	SALESMAN
TURNER	30	SALESMAN
WARD	30	SALESMAN

SQL> ED

Wrote file afiedt.buf

```
  1  SELECT Ename, Deptno, Job
  2  FROM Emp
  3* WHERE Deptno = 30
SQL> /
```

ENAME	DEPTNO	JOB
BLAKE	30	MANAGER
MARTIN	30	SALESMAN
ALLEN	30	SALESMAN
TURNER	30	SALESMAN
JAMES	30	CLERK
WARD	30	SALESMAN

6 rows selected.

SQL> ED

Wrote file afiedt.buf

```
  1  SELECT Ename, Deptno, Job
  2  FROM Emp
  3* WHERE NOT Job = 'SALESMAN' AND Deptno = 30
SQL> /
```

ENAME	DEPTNO	JOB
BLAKE	30	MANAGER

## Spool Generated For Class of Oracle By Satish K Yellanki

JAMES                    30 CLERK

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Job)
  2  VALUES(1234, 'SAMPLE01', 20, 'SALESMAN');
```

1 row created.

```
SQL> INSERT INTO Emp(Empno, Ename, Deptno, Job)
  2  VALUES(1235, 'SAMPLE02', 10, 'SALESMAN');
```

1 row created.

```
SQL> SELECT Ename, Deptno, Job
  2  FROM Emp
  3  WHERE Job = 'SALESMAN';
```

ENAME	DEPTNO	JOB
MARTIN	30	SALESMAN
ALLEN	30	SALESMAN
TURNER	30	SALESMAN
WARD	30	SALESMAN
SAMPLE01	20	SALESMAN
SAMPLE02	10	SALESMAN

6 rows selected.

```
SQL> SELECT Ename, Deptno, Job
  2  FROM Emp
  3  WHERE Deptno = 30
  4  /
```

ENAME	DEPTNO	JOB
BLAKE	30	MANAGER
MARTIN	30	SALESMAN
ALLEN	30	SALESMAN
TURNER	30	SALESMAN
JAMES	30	CLERK
WARD	30	SALESMAN

6 rows selected.

```
SQL> SELECT Ename, Deptno, Job
  2  FROM Emp
  3  WHERE NOT Job = 'SALESMAN' AND Deptno = 30;
```

ENAME	DEPTNO	JOB
BLAKE	30	MANAGER
JAMES	30	CLERK

SQL> ED

Wrote file afiedt.buf

```
1  SELECT Ename, Deptno, Job
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
2 FROM Emp
3* WHERE Job = 'SALESMAN' AND NOT Deptno = 30
SQL> /
```

ENAME	DEPTNO	JOB
SAMPLE01	20	SALESMAN
SAMPLE02	10	SALESMAN

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT Ename, Deptno, Job
2 FROM Emp
3* WHERE NOT Job = 'SALESMAN' AND NOT Deptno = 30
SQL> /
```

ENAME	DEPTNO	JOB
KING	10	PRESIDENT
CLARK	10	MANAGER
JONES	20	MANAGER
FORD	20	ANALYST
SMITH	20	CLERK
SCOTT	20	ANALYST
ADAMS	20	CLERK
MILLER	10	CLERK

8 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT Ename, Deptno, Job
2 FROM Emp
3* WHERE Job <> 'SALESMAN' AND Deptno <> 30
SQL> /
```

ENAME	DEPTNO	JOB
KING	10	PRESIDENT
CLARK	10	MANAGER
JONES	20	MANAGER
FORD	20	ANALYST
SMITH	20	CLERK
SCOTT	20	ANALYST
ADAMS	20	CLERK
MILLER	10	CLERK

8 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT Ename, Deptno, Job
2 FROM Emp
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
3* WHERE NOT(Job <> 'SALESMAN' AND Deptno <> 30)
SQL> /
```

ENAME	DEPTNO	JOB
BLAKE	30	MANAGER
MARTIN	30	SALESMAN
ALLEN	30	SALESMAN
TURNER	30	SALESMAN
JAMES	30	CLERK
WARD	30	SALESMAN
SAMPLE01	20	SALESMAN
SAMPLE02	10	SALESMAN

8 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT Ename, Deptno, Job
2 FROM Emp
3* WHERE NOT(Job = 'SALESMAN' AND Deptno = 30)
SQL> /
```

ENAME	DEPTNO	JOB
KING	10	PRESIDENT
BLAKE	30	MANAGER
CLARK	10	MANAGER
JONES	20	MANAGER
JAMES	30	CLERK
FORD	20	ANALYST
SMITH	20	CLERK
SCOTT	20	ANALYST
ADAMS	20	CLERK
MILLER	10	CLERK
SAMPLE01	20	SALESMAN

ENAME	DEPTNO	JOB
SAMPLE02	10	SALESMAN

12 rows selected.

```
SQL> SPOOL OFF
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3 WHERE Sal = 3000;
```

ENAME	SAL	DEPTNO	JOB
FORD	3000	20	ANALYST
SCOTT	3000	20	ANALYST



## Spool Generated For Class of Oracle By Satish K Yellanki

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Sal > 3000
```

SQL> /

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Job = 'MANAGER'
```

SQL> /

ENAME	SAL	DEPTNO	JOB
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
JONES	2975	20	MANAGER

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Job > 'MANAGER'
```

SQL> /

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
WARD	1250	30	SALESMAN

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, Job
2 FROM Emp
3* WHERE Job < 'MANAGER'
```

SQL> /

ENAME	SAL	DEPTNO	JOB
JAMES	950	30	CLERK
FORD	3000	20	ANALYST
SMITH	800	20	CLERK
SCOTT	3000	20	ANALYST

## Spool Generated For Class of Oracle By Satish K Yellanki

```
ADAMS          1100          20 CLERK
MILLER         1300          10 CLERK
```

6 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Deptno, HireDate
 2  FROM Emp
 3  WHERE HireDate = '03-DEC-81'
 4  /
```

ENAME	SAL	DEPTNO	HIREDATE
JAMES	950	30	03-DEC-81
FORD	3000	20	03-DEC-81

```
SQL> ED
Wrote file afiedt.buf
```

```
 1  SELECT Ename, Sal, Deptno, HireDate
 2  FROM Emp
 3* WHERE HireDate > '03-DEC-81'
SQL> /
```

ENAME	SAL	DEPTNO	HIREDATE
SCOTT	3000	20	09-DEC-82
ADAMS	1100	20	12-JAN-83
MILLER	1300	10	23-JAN-82

```
SQL> ED
Wrote file afiedt.buf
```

```
 1  SELECT Ename, Sal, Deptno, HireDate
 2  FROM Emp
 3* WHERE HireDate < '03-DEC-81'
SQL> /
```

ENAME	SAL	DEPTNO	HIREDATE
KING	5000	10	17-NOV-81
BLAKE	2850	30	01-MAY-81
CLARK	2450	10	09-JUN-81
JONES	2975	20	02-APR-81
MARTIN	1250	30	28-SEP-81
ALLEN	1600	30	20-FEB-81
TURNER	1500	30	08-SEP-81
WARD	1250	30	22-FEB-81
SMITH	800	20	17-DEC-80

9 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
1 SELECT Ename, Sal, Deptno, HireDate
2 FROM Emp
3* WHERE HireDate <> '03-DEC-81'
SQL> /
```

ENAME	SAL	DEPTNO	HIREDATE
KING	5000	10	17-NOV-81
BLAKE	2850	30	01-MAY-81
CLARK	2450	10	09-JUN-81
JONES	2975	20	02-APR-81
MARTIN	1250	30	28-SEP-81
ALLEN	1600	30	20-FEB-81
TURNER	1500	30	08-SEP-81
WARD	1250	30	22-FEB-81
SMITH	800	20	17-DEC-80
SCOTT	3000	20	09-DEC-82
ADAMS	1100	20	12-JAN-83

ENAME	SAL	DEPTNO	HIREDATE
MILLER	1300	10	23-JAN-82

12 rows selected.

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Comm
2 FROM Emp;
```

ENAME	SAL	COMM
KING	5000	
BLAKE	2850	
CLARK	2450	
JONES	2975	
MARTIN	1250	1400
ALLEN	1600	300
TURNER	1500	0
JAMES	950	
WARD	1250	500
FORD	3000	
SMITH	800	

ENAME	SAL	COMM
SCOTT	3000	
ADAMS	1100	
MILLER	1300	

14 rows selected.

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Comm
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
2 FROM Emp
3* WHERE Comm = NULL
SQL> /
```

no rows selected

```
SQL> ED
Wrote file afiedt.buf
```

```
1 SELECT Ename, Sal, Comm
2 FROM Emp
3* WHERE Comm <> NULL
SQL> /
```

no rows selected

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Job, Deptno
2 FROM Emp
3 WHERE Deptno = 10;
```

ENAME	SAL	JOB	DEPTNO
KING	5000	PRESIDENT	10
CLARK	2450	MANAGER	10
MILLER	1300	CLERK	10

```
SQL> SELECT Ename, Sal, Job, Deptno
2 FROM Emp
3 WHERE 10 = Deptno;
```

ENAME	SAL	JOB	DEPTNO
KING	5000	PRESIDENT	10
CLARK	2450	MANAGER	10
MILLER	1300	CLERK	10

```
SQL> SELECT Ename, Sal, Job, Deptno
2 FROM Emp
3 WHERE Job = 'MANAGER';
```

ENAME	SAL	JOB	DEPTNO
BLAKE	2850	MANAGER	30
CLARK	2450	MANAGER	10
JONES	2975	MANAGER	20

```
SQL> SELECT Ename, Sal, Job, Deptno
2 FROM Emp
3 WHERE 'MANAGER' = Job;
```

ENAME	SAL	JOB	DEPTNO
BLAKE	2850	MANAGER	30
CLARK	2450	MANAGER	10

## Spool Generated For Class of Oracle By Satish K Yellanki

JONES                      2975    MANAGER                      20

SQL> SELECT \* FROM Dept;

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

SQL> SELECT Empno, Ename, Sal FROM Emp;

EMPNO	ENAME	SAL
7839	KING	5000
7698	BLAKE	2850
7782	CLARK	2450
7566	JONES	2975
7654	MARTIN	1250
7499	ALLEN	1600
7844	TURNER	1500
7900	JAMES	950
7521	WARD	1250
7902	FORD	3000
7369	SMITH	800

EMPNO	ENAME	SAL
7788	SCOTT	3000
7876	ADAMS	1100
7934	MILLER	1300

14 rows selected.

SQL> SELECT Ename Name, Sal Salary FROM Emp;

NAME	SALARY
KING	5000
BLAKE	2850
CLARK	2450
JONES	2975
MARTIN	1250
ALLEN	1600
TURNER	1500
JAMES	950
WARD	1250
FORD	3000
SMITH	800

NAME	SALARY
SCOTT	3000
ADAMS	1100
MILLER	1300

## Spool Generated For Class of Oracle By Satish K Yellanki

14 rows selected.

SQL> cl scr

SQL> SELECT Ename, Sal, Deptno, job

SP2-0734: unknown command beginning "SELECTEnam..." - rest of line ignored.

SQL> SELECT Ename, Sal, Deptno, job

```
2 FROM Emp
3 WHERE
4 Job = 'PRESIDENT' OR
5 Job = 'MANAGER' OR
6 Job = 'ANALYST' OR
7 Job = 'SALESMAN';
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
JONES	2975	20	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SCOTT	3000	20	ANALYST

10 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, job
2 FROM Emp
3 WHERE
4* Job <> 'CLERK'
```

SQL> /

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
JONES	2975	20	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SCOTT	3000	20	ANALYST

10 rows selected.

SQL> cl scr

## Spool Generated For Class of Oracle By Satish K Yellanki

SQL> CONN HR/HR

Connected.

SQL> cl scr

SQL> SELECT

```
 2 Department_ID, Job_ID, SUM(Salary), AVG(Salary)
 3 FROM Employees
 4 WHERE
 5 (
 6   (DEPARTMENT_ID = 20 AND (
 7     JOB_ID = 'MK_MAN' OR
 8     JOB_ID = 'MK_REP' OR
 9     JOB_ID = 'PU_MAN' OR
10    JOB_ID = 'PU_CLERK' OR
11    JOB_ID = 'HR_REP' OR
12    JOB_ID = 'SH_CLERK' OR
13    JOB_ID = 'IT_PROG' OR
14    JOB_ID = 'SA_REP'
15   ) AND
16   (
17     SALARY >= 5000 AND SALARY <= 30000
18   )
19  ) OR
20  (DEPARTMENT_ID = 30 AND (
21    JOB_ID = 'MK_MAN' OR
22    JOB_ID = 'MK_REP' OR
23    JOB_ID = 'PU_MAN' OR
24    JOB_ID = 'PU_CLERK' OR
25    JOB_ID = 'HR_REP' OR
26    JOB_ID = 'SH_CLERK' OR
27    JOB_ID = 'IT_PROG' OR
28    JOB_ID = 'SA_REP'
29   ) AND
30   (
31     SALARY >= 5000 AND SALARY <= 30000
32   )
33  ) OR
34  (DEPARTMENT_ID = 40 AND (
35    JOB_ID = 'MK_MAN' OR
36    JOB_ID = 'MK_REP' OR
37    JOB_ID = 'PU_MAN' OR
38    JOB_ID = 'PU_CLERK' OR
39    JOB_ID = 'HR_REP' OR
40    JOB_ID = 'SH_CLERK' OR
41    JOB_ID = 'IT_PROG' OR
42    JOB_ID = 'SA_REP'
43   ) AND
44   (
45     SALARY >= 5000 AND SALARY <= 30000
46   )
47  ) OR
48  (DEPARTMENT_ID = 50 AND (
49    JOB_ID = 'MK_MAN' OR
50    JOB_ID = 'MK_REP' OR
51    JOB_ID = 'PU_MAN' OR
52    JOB_ID = 'PU_CLERK' OR
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
53          JOB_ID = 'HR_REP' OR
54          JOB_ID = 'SH_CLERK' OR
55          JOB_ID = 'IT_PROG' OR
56          JOB_ID = 'SA_REP'
57      ) AND
58      (
59          SALARY >= 5000 AND SALARY <= 30000
60      )
61 ) OR
62 (DEPARTMENT_ID = 60 AND (
63     JOB_ID = 'MK_MAN' OR
64     JOB_ID = 'MK_REP' OR
65     JOB_ID = 'PU_MAN' OR
66     JOB_ID = 'PU_CLERK' OR
67     JOB_ID = 'HR_REP' OR
68     JOB_ID = 'SH_CLERK' OR
69     JOB_ID = 'IT_PROG' OR
70     JOB_ID = 'SA_REP'
71 ) AND
72 (
73     SALARY >= 5000 AND SALARY <= 30000
74 )
75 ) OR
76 (DEPARTMENT_ID = 80 AND (
77     JOB_ID = 'MK_MAN' OR
78     JOB_ID = 'MK_REP' OR
79     JOB_ID = 'PU_MAN' OR
80     JOB_ID = 'PU_CLERK' OR
81     JOB_ID = 'HR_REP' OR
82     JOB_ID = 'SH_CLERK' OR
83     JOB_ID = 'IT_PROG' OR
84     JOB_ID = 'SA_REP'
85 ) AND
86 (
87     SALARY >= 5000 AND SALARY <= 30000
88 )
89 ) OR
90 (DEPARTMENT_ID = 20 AND (
91     JOB_ID = 'MK_MAN' OR
92     JOB_ID = 'MK_REP' OR
93     JOB_ID = 'PU_MAN' OR
94     JOB_ID = 'PU_CLERK' OR
95     JOB_ID = 'HR_REP' OR
96     JOB_ID = 'SH_CLERK' OR
97     JOB_ID = 'IT_PROG' OR
98     JOB_ID = 'SA_REP'
99 ) AND
100 (
101     SALARY >= 5000 AND SALARY <= 30000
102 )
103 ) OR
104 (DEPARTMENT_ID = 20 AND (
105     JOB_ID = 'MK_MAN' OR
106     JOB_ID = 'MK_REP' OR
107     JOB_ID = 'PU_MAN' OR
108     JOB_ID = 'PU_CLERK' OR
```



## Spool Generated For Class of Oracle By Satish K Yellanki

```
109          JOB_ID = 'HR_REP' OR
110          JOB_ID = 'SH_CLERK' OR
111          JOB_ID = 'IT_PROG' OR
112          JOB_ID = 'SA_REP'
113          ) AND
114          (
115          SALARY >= 5000 AND SALARY <= 30000
116          )
117      )
118  )
119  GROUP BY Department_ID, Job_ID;
```

DEPARTMENT_ID	JOB_ID	SUM(SALARY)	AVG(SALARY)
20	MK_MAN	13000	13000
20	MK_REP	6000	6000
30	PU_MAN	11000	11000
40	HR_REP	6500	6500
60	IT_PROG	15000	7500
80	SA_REP	243500	8396.55172

6 rows selected.

```
SQL> SELECT
  2  Department_ID, Job_ID, SUM(Salary), AVG(Salary)
  3  FROM Employees
  4  WHERE
  5  (
  6  (DEPARTMENT_ID = 20 OR
  7  DEPARTMENT_ID = 30 OR
  8  DEPARTMENT_ID = 40 OR
  9  DEPARTMENT_ID = 50 OR
 10  DEPARTMENT_ID = 60 OR
 11  DEPARTMENT_ID = 80
 12  ) AND
 13  (JOB_ID = 'MK_MAN' OR
 14  JOB_ID = 'MK_REP' OR
 15  JOB_ID = 'PU_MAN' OR
 16  JOB_ID = 'PU_CLERK' OR
 17  JOB_ID = 'HR_REP' OR
 18  JOB_ID = 'SH_CLERK' OR
 19  JOB_ID = 'IT_PROG' OR
 20  JOB_ID = 'SA_REP'
 21  ) AND
 22  (
 23  SALARY >= 5000 AND SALARY <= 30000
 24  )
 25  )
 26  GROUP BY Department_ID, Job_ID;
```

DEPARTMENT_ID	JOB_ID	SUM(SALARY)	AVG(SALARY)
20	MK_MAN	13000	13000
20	MK_REP	6000	6000
30	PU_MAN	11000	11000
40	HR_REP	6500	6500

## Spool Generated For Class of Oracle By Satish K Yellanki

```
60 IT_PROG          15000          7500
80 SA_REP          243500      8396.55172
```

6 rows selected.

```
SQL> SET AUTOTRACE ON EXPLAIN
```

```
SQL> cl scr
```

```
SQL> SELECT
```

```
2 Department_ID, Job_ID, SUM(Salary), AVG(Salary)
3 FROM Employees
4 WHERE
5 (
6   (DEPARTMENT_ID = 20 OR
7     DEPARTMENT_ID = 30 OR
8     DEPARTMENT_ID = 40 OR
9     DEPARTMENT_ID = 50 OR
10    DEPARTMENT_ID = 60 OR
11    DEPARTMENT_ID = 80
12   ) AND
13   (JOB_ID = 'MK_MAN' OR
14     JOB_ID = 'MK_REP' OR
15     JOB_ID = 'PU_MAN' OR
16     JOB_ID = 'PU_CLERK' OR
17     JOB_ID = 'HR_REP' OR
18     JOB_ID = 'SH_CLERK' OR
19     JOB_ID = 'IT_PROG' OR
20     JOB_ID = 'SA_REP'
21   ) AND
22   (
23     SALARY >= 5000 AND SALARY <= 30000
24   )
25 )
26 GROUP BY Department_ID, Job_ID;
```

DEPARTMENT_ID	JOB_ID	SUM(SALARY)	AVG(SALARY)
20	MK_MAN	13000	13000
20	MK_REP	6000	6000
30	PU_MAN	11000	11000
40	HR_REP	6500	6500
60	IT_PROG	15000	7500
80	SA_REP	243500	8396.55172

6 rows selected.

### Execution Plan

```
-----
0      SELECT STATEMENT Optimizer=ALL_ROWS (Cost=4 Card=34 Bytes=544)
1      0      SORT (GROUP BY) (Cost=4 Card=34 Bytes=544)
2      1      TABLE ACCESS (FULL) OF 'EMPLOYEES' (TABLE) (Cost=3 Card=47 Bytes=752)
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
SQL> SELECT
  2  Department_ID, Job_ID, SUM(Salary), AVG(Salary)
  3  FROM Employees
  4  WHERE
  5  (
  6    (DEPARTMENT_ID = 20 AND (
  7      JOB_ID = 'MK_MAN' OR
  8      JOB_ID = 'MK_REP' OR
  9      JOB_ID = 'PU_MAN' OR
 10     JOB_ID = 'PU_CLERK' OR
 11     JOB_ID = 'HR_REP' OR
 12     JOB_ID = 'SH_CLERK' OR
 13     JOB_ID = 'IT_PROG' OR
 14     JOB_ID = 'SA_REP'
 15    ) AND
 16    (
 17     SALARY >= 5000 AND SALARY <= 30000
 18    )
 19  ) OR
 20  (DEPARTMENT_ID = 30 AND (
 21     JOB_ID = 'MK_MAN' OR
 22     JOB_ID = 'MK_REP' OR
 23     JOB_ID = 'PU_MAN' OR
 24     JOB_ID = 'PU_CLERK' OR
 25     JOB_ID = 'HR_REP' OR
 26     JOB_ID = 'SH_CLERK' OR
 27     JOB_ID = 'IT_PROG' OR
 28     JOB_ID = 'SA_REP'
 29    ) AND
 30    (
 31     SALARY >= 5000 AND SALARY <= 30000
 32    )
 33  ) OR
 34  (DEPARTMENT_ID = 40 AND (
 35     JOB_ID = 'MK_MAN' OR
 36     JOB_ID = 'MK_REP' OR
 37     JOB_ID = 'PU_MAN' OR
 38     JOB_ID = 'PU_CLERK' OR
 39     JOB_ID = 'HR_REP' OR
 40     JOB_ID = 'SH_CLERK' OR
 41     JOB_ID = 'IT_PROG' OR
 42     JOB_ID = 'SA_REP'
 43    ) AND
 44    (
 45     SALARY >= 5000 AND SALARY <= 30000
 46    )
 47  ) OR
 48  (DEPARTMENT_ID = 50 AND (
 49     JOB_ID = 'MK_MAN' OR
 50     JOB_ID = 'MK_REP' OR
 51     JOB_ID = 'PU_MAN' OR
 52     JOB_ID = 'PU_CLERK' OR
 53     JOB_ID = 'HR_REP' OR
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
54          JOB_ID = 'SH_CLERK' OR
55          JOB_ID = 'IT_PROG' OR
56          JOB_ID = 'SA_REP'
57      ) AND
58      (
59          SALARY >= 5000 AND SALARY <= 30000
60      )
61 ) OR
62 (DEPARTMENT_ID = 60 AND (
63     JOB_ID = 'MK_MAN' OR
64     JOB_ID = 'MK_REP' OR
65     JOB_ID = 'PU_MAN' OR
66     JOB_ID = 'PU_CLERK' OR
67     JOB_ID = 'HR_REP' OR
68     JOB_ID = 'SH_CLERK' OR
69     JOB_ID = 'IT_PROG' OR
70     JOB_ID = 'SA_REP'
71 ) AND
72 (
73     SALARY >= 5000 AND SALARY <= 30000
74 )
75 ) OR
76 (DEPARTMENT_ID = 80 AND (
77     JOB_ID = 'MK_MAN' OR
78     JOB_ID = 'MK_REP' OR
79     JOB_ID = 'PU_MAN' OR
80     JOB_ID = 'PU_CLERK' OR
81     JOB_ID = 'HR_REP' OR
82     JOB_ID = 'SH_CLERK' OR
83     JOB_ID = 'IT_PROG' OR
84     JOB_ID = 'SA_REP'
85 ) AND
86 (
87     SALARY >= 5000 AND SALARY <= 30000
88 )
89 ) OR
90 (DEPARTMENT_ID = 20 AND (
91     JOB_ID = 'MK_MAN' OR
92     JOB_ID = 'MK_REP' OR
93     JOB_ID = 'PU_MAN' OR
94     JOB_ID = 'PU_CLERK' OR
95     JOB_ID = 'HR_REP' OR
96     JOB_ID = 'SH_CLERK' OR
97     JOB_ID = 'IT_PROG' OR
98     JOB_ID = 'SA_REP'
99 ) AND
100 (
101     SALARY >= 5000 AND SALARY <= 30000
102 )
103 ) OR
104 (DEPARTMENT_ID = 20 AND (
105     JOB_ID = 'MK_MAN' OR
106     JOB_ID = 'MK_REP' OR
107     JOB_ID = 'PU_MAN' OR
108     JOB_ID = 'PU_CLERK' OR
109     JOB_ID = 'HR_REP' OR
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
110          JOB_ID = 'SH_CLERK' OR
111          JOB_ID = 'IT_PROG' OR
112          JOB_ID = 'SA_REP'
113        ) AND
114      (
115        SALARY >= 5000 AND SALARY <= 30000
116      )
117    )
118  )
119  GROUP BY Department_ID, Job_ID;
```

DEPARTMENT_ID	JOB_ID	SUM(SALARY)	AVG(SALARY)
20	MK_MAN	13000	13000
20	MK_REP	6000	6000
30	PU_MAN	11000	11000
40	HR_REP	6500	6500
60	IT_PROG	15000	7500
80	SA_REP	243500	8396.55172

6 rows selected.

### Execution Plan

```
-----
0      SELECT STATEMENT Optimizer=ALL_ROWS (Cost=4 Card=6 Bytes=96)
1      0      SORT (GROUP BY) (Cost=4 Card=6 Bytes=96)
2      1      TABLE ACCESS (FULL) OF 'EMPLOYEES' (TABLE) (Cost=3 Card=
36 Bytes=576)
```

SQL> cl scr

SQL> SET AUTOTRACE OFF EXPLAIN

SQL> CONN SCOTT/TIGER

Connected.

SQL> cl scr

SQL> SELECT Ename, Deptno, Sal

2 FROM Emp;

ENAME	DEPTNO	SAL
KING	10	5000
BLAKE	30	2850
CLARK	10	2450
JONES	20	2975
MARTIN	30	1250
ALLEN	30	1600
TURNER	30	1500
JAMES	30	950
WARD	30	1250
FORD	20	3000
SMITH	20	800

## Spool Generated For Class of Oracle By Satish K Yellanki

ENAME	DEPTNO	SAL
SCOTT	20	3000
ADAMS	20	1100
MILLER	10	1300

14 rows selected.

```
SQL> SELECT Ename, Deptno, Sal
  2 FROM Emp
  3 WHERE Sal BETWEEN 1250 AND 2975;
```

ENAME	DEPTNO	SAL
BLAKE	30	2850
CLARK	10	2450
JONES	20	2975
MARTIN	30	1250
ALLEN	30	1600
TURNER	30	1500
WARD	30	1250
MILLER	10	1300

8 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
  1 SELECT Ename, Deptno, Sal
  2 FROM Emp
  3* WHERE Sal NOT BETWEEN 1250 AND 2975
SQL> /
```

ENAME	DEPTNO	SAL
KING	10	5000
JAMES	30	950
FORD	20	3000
SMITH	20	800
SCOTT	20	3000
ADAMS	20	1100

6 rows selected.

```
SQL> ED
Wrote file afiedt.buf
```

```
  1 SELECT Ename, Deptno, Sal, Job
  2 FROM Emp
  3* WHERE Job BETWEEN 'MANAGER' AND 'PRESIDENT'
SQL> /
```

ENAME	DEPTNO	SAL	JOB
KING	10	5000	PRESIDENT

## Spool Generated For Class of Oracle By Satish K Yellanki

```
BLAKE          30          2850  MANAGER
CLARK          10          2450  MANAGER
JONES         20          2975  MANAGER
```

SQL> ED

Wrote file afiedt.buf

```
 1 SELECT Ename, Deptno, Sal, Job
 2 FROM Emp
 3* WHERE Job NOT BETWEEN 'MANAGER' AND 'PRESIDENT'
SQL> /
```

ENAME	DEPTNO	SAL	JOB
MARTIN	30	1250	SALESMAN
ALLEN	30	1600	SALESMAN
TURNER	30	1500	SALESMAN
JAMES	30	950	CLERK
WARD	30	1250	SALESMAN
FORD	20	3000	ANALYST
SMITH	20	800	CLERK
SCOTT	20	3000	ANALYST
ADAMS	20	1100	CLERK
MILLER	10	1300	CLERK

10 rows selected.

SQL> cl scr

```
SQL> SELECT Ename, Sal, Deptno, Job
 2 FROM Emp
 3 WHERE Deptno = 10 OR Deptno = 20 OR Deptno = 30;
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
JONES	2975	20	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SMITH	800	20	CLERK

ENAME	SAL	DEPTNO	JOB
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK
MILLER	1300	10	CLERK

14 rows selected.

SQL> cl scr

## Spool Generated For Class of Oracle By Satish K Yellanki

```
SQL> SELECT
  2  Ename,
  3  Sal,
  4  Job
  5  FROM Emp
  6  WHERE
  7  Ename IN('FORD', 'ALLEN');
```

ENAME	SAL	JOB
ALLEN	1600	SALESMAN
FORD	3000	ANALYST

```
SQL> ED
Wrote file afiedt.buf
```

```
  1  SELECT
  2  Ename,
  3  Sal,
  4  Job
  5  FROM Emp
  6  WHERE
  7* Ename NOT IN('FORD', 'ALLEN')
SQL> /
```

ENAME	SAL	JOB
KING	5000	PRESIDENT
BLAKE	2850	MANAGER
CLARK	2450	MANAGER
JONES	2975	MANAGER
MARTIN	1250	SALESMAN
TURNER	1500	SALESMAN
JAMES	950	CLERK
WARD	1250	SALESMAN
SMITH	800	CLERK
SCOTT	3000	ANALYST
ADAMS	1100	CLERK

ENAME	SAL	JOB
MILLER	1300	CLERK

12 rows selected.

```
SQL> SELECT
  2  Ename,
  3  Sal,
  4  Deptno
  5  FROM Emp
  6  WHERE
  7  Deptno IN(10, 30);
```

ENAME	SAL	DEPTNO
-------	-----	--------



## Spool Generated For Class of Oracle By Satish K Yellanki

KING	5000	10
BLAKE	2850	30
CLARK	2450	10
MARTIN	1250	30
ALLEN	1600	30
TURNER	1500	30
JAMES	950	30
WARD	1250	30
MILLER	1300	10

9 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT
2   Ename,
3   Sal,
4   Deptno
5 FROM Emp
6 WHERE
7* Deptno NOT IN(10, 30)
SQL> /
```

ENAME	SAL	DEPTNO
JONES	2975	20
FORD	3000	20
SMITH	800	20
SCOTT	3000	20
ADAMS	1100	20

```
SQL> SELECT
2   Ename,
3   Sal,
4   Hiredate
5 FROM Emp
6 WHERE
7   Hiredate IN('20-FEB-1981', '09-JUN-1981');
```

ENAME	SAL	HIREDATE
CLARK	2450	09-JUN-81
ALLEN	1600	20-FEB-81

SQL> ED

Wrote file afiedt.buf

```
1 SELECT
2   Ename,
3   Sal,
4   Hiredate
5 FROM Emp
6 WHERE
7* Hiredate NOT IN('20-FEB-1981', '09-JUN-1981')
SQL> /
```

## Spool Generated For Class of Oracle By Satish K Yellanki

ENAME	SAL	HIREDATE
KING	5000	17-NOV-81
BLAKE	2850	01-MAY-81
JONES	2975	02-APR-81
MARTIN	1250	28-SEP-81
TURNER	1500	08-SEP-81
JAMES	950	03-DEC-81
WARD	1250	22-FEB-81
FORD	3000	03-DEC-81
SMITH	800	17-DEC-80
SCOTT	3000	09-DEC-82
ADAMS	1100	12-JAN-83

ENAME	SAL	HIREDATE
MILLER	1300	23-JAN-82

12 rows selected.

SQL> cl scr

```
SQL> SELECT Ename, Sal, Comm
  2  FROM Emp
  3  WHERE Comm = NULL;
```

no rows selected

SQL> ED

Wrote file afiedt.buf

```
  1  SELECT Ename, Sal, Comm
  2  FROM Emp
  3* WHERE Comm IS NULL
SQL> /
```

ENAME	SAL	COMM
KING	5000	
BLAKE	2850	
CLARK	2450	
JONES	2975	
JAMES	950	
FORD	3000	
SMITH	800	
SCOTT	3000	
ADAMS	1100	
MILLER	1300	

10 rows selected.

SQL> ED

Wrote file afiedt.buf

```
  1  SELECT Ename, Sal, Comm
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
2 FROM Emp
3* WHERE Comm IS NOT NULL
SQL> /
```

ENAME	SAL	COMM
MARTIN	1250	1400
ALLEN	1600	300
TURNER	1500	0
WARD	1250	500

```
SQL> cl scr
```

```
SQL> SELECT Ename, Deptno, Job, Sal
2 FROM Emp;
```

ENAME	DEPTNO	JOB	SAL
KING	10	PRESIDENT	5000
BLAKE	30	MANAGER	2850
CLARK	10	MANAGER	2450
JONES	20	MANAGER	2975
MARTIN	30	SALESMAN	1250
ALLEN	30	SALESMAN	1600
TURNER	30	SALESMAN	1500
JAMES	30	CLERK	950
WARD	30	SALESMAN	1250
FORD	20	ANALYST	3000
SMITH	20	CLERK	800

ENAME	DEPTNO	JOB	SAL
SCOTT	20	ANALYST	3000
ADAMS	20	CLERK	1100
MILLER	10	CLERK	1300

```
14 rows selected.
```

```
SQL> SELECT Ename, Deptno, Job, Sal
2 FROM Emp
3 WHERE Ename = 'SMITH';
```

ENAME	DEPTNO	JOB	SAL
SMITH	20	CLERK	800

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Job
2 FROM Emp;
```

ENAME	SAL	JOB
KING	5000	PRESIDENT
BLAKE	2850	MANAGER
CLARK	2450	MANAGER

## Spool Generated For Class of Oracle By Satish K Yellanki

JONES	2975	MANAGER
MARTIN	1250	SALESMAN
ALLEN	1600	SALESMAN
TURNER	1500	SALESMAN
JAMES	950	CLERK
WARD	1250	SALESMAN
FORD	3000	ANALYST
SMITH	800	CLERK

ENAME	SAL	JOB
-----	-----	-----
SCOTT	3000	ANALYST
ADAMS	1100	CLERK
MILLER	1300	CLERK

14 rows selected.

```
SQL> SELECT
  2  Ename,
  3  Job
  4  FROM Emp
  5  WHERE
  6  Ename LIKE 'S%';
```

ENAME	JOB
-----	-----
SMITH	CLERK
SCOTT	ANALYST

```
SQL> ED
Wrote file afiedt.buf
```

```
  1  SELECT
  2  Ename,
  3  Job
  4  FROM Emp
  5  WHERE
  6* Ename NOT LIKE 'S%'
SQL> /
```

ENAME	JOB
-----	-----
KING	PRESIDENT
BLAKE	MANAGER
CLARK	MANAGER
JONES	MANAGER
MARTIN	SALESMAN
ALLEN	SALESMAN
TURNER	SALESMAN
JAMES	CLERK
WARD	SALESMAN
FORD	ANALYST
ADAMS	CLERK

ENAME	JOB
-----	-----

## Spool Generated For Class of Oracle By Satish K Yellanki

MILLER CLERK

12 rows selected.

```
SQL> SELECT
  2   Ename,
  3   Job
  4 FROM Emp
  5 WHERE
  6   Ename LIKE '_A%';
```

ENAME	JOB
MARTIN	SALESMAN
JAMES	CLERK
WARD	SALESMAN

```
SQL> ED
Wrote file afiedt.buf
```

```
  1  SELECT
  2    Ename,
  3    Job
  4  FROM Emp
  5  WHERE
  6*  Ename LIKE '%A%'
SQL> /
```

ENAME	JOB
BLAKE	MANAGER
CLARK	MANAGER
MARTIN	SALESMAN
ALLEN	SALESMAN
JAMES	CLERK
WARD	SALESMAN
ADAMS	CLERK

7 rows selected.

```
SQL> SELECT
  2   Ename,
  3   Sal
  4 FROM Emp
  5 WHERE
  6   Ename = 'SM%';
```

no rows selected

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Deptno, Job
  2 FROM Emp
  3 WHERE Job = 'MANAGER';
```

ENAME	SAL	DEPTNO	JOB
-------	-----	--------	-----

## Spool Generated For Class of Oracle By Satish K Yellanki

```
-----  
BLAKE          2850          30  MANAGER  
CLARK          2450          10  MANAGER  
JONES          2975          20  MANAGER
```

```
SQL> ED  
Wrote file afiedt.buf
```

```
 1 SELECT Ename, Sal, Deptno, Job  
 2 FROM Emp  
 3* WHERE 'MANAGER' = Job  
SQL> /
```

```
-----  
ENAME          SAL          DEPTNO  JOB  
-----  
BLAKE          2850          30  MANAGER  
CLARK          2450          10  MANAGER  
JONES          2975          20  MANAGER
```

```
SQL> ED  
Wrote file afiedt.buf
```

```
 1 SELECT Ename, Sal, Deptno, Job  
 2 FROM Emp  
 3* WHERE Job LIKE 'MAN%'  
SQL> /
```

```
-----  
ENAME          SAL          DEPTNO  JOB  
-----  
BLAKE          2850          30  MANAGER  
CLARK          2450          10  MANAGER  
JONES          2975          20  MANAGER
```

```
SQL> ED  
Wrote file afiedt.buf
```

```
 1 SELECT Ename, Sal, Deptno, Job  
 2 FROM Emp  
 3* WHERE 'MAN%' LIKE Job  
SQL> /
```

no rows selected

```
SQL> cl scr
```

```
SQL> SELECT Ename, Sal, Deptno, HireDate  
 2 FROM Emp  
 3 WHERE HireDate = '03-DEC-81';
```

```
-----  
ENAME          SAL          DEPTNO  HIREDATE  
-----  
JAMES          950          30  03-DEC-81  
FORD           3000         20  03-DEC-81
```

```
SQL> SELECT Ename, Sal, Deptno, HireDate  
 2 FROM Emp
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
3 WHERE HireDate = '03-DEC-1981';
```

ENAME	SAL	DEPTNO	HIREDATE
JAMES	950	30	03-DEC-81
FORD	3000	20	03-DEC-81

```
SQL> SELECT Ename, Sal, Deptno, HireDate
2 FROM Emp
3 WHERE HireDate LIKE '03-DEC-81';
```

ENAME	SAL	DEPTNO	HIREDATE
JAMES	950	30	03-DEC-81
FORD	3000	20	03-DEC-81

```
SQL> SELECT Ename, Sal, Deptno, HireDate
2 FROM Emp
3 WHERE HireDate LIKE '03-DEC-1981';
```

no rows selected

```
SQL> SPOOL OFF
SQL> cl scr
```

```
SQL> SET VERIFY OFF
SQL> cl scr
```

```
SQL> SELECT * FROM Dept;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

```
SQL> INSERT INTO Dept
2 VALUES(50, 'SHIPPING_DESK', 'CHENNAI');
```

1 row created.

```
SQL> INSERT INTO Dept
2 VALUES(60, 'CARGO_DECK', 'MUMBAI');
```

1 row created.

```
SQL> INSERT INTO Dept
2 VALUES(70, 'COURIER%RACK, 'DELHI');
ERROR:
ORA-01756: quoted string not properly terminated
```

```
SQL> INSERT INTO Dept
2 VALUES(70, 'COURIER%RACK', 'DELHI');
```

## Spool Generated For Class of Oracle By Satish K Yellanki

1 row created.

SQL> cl scr

SQL> SELECT \* FROM Dept;

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON
50	SHIPPING_DESK	CHENNAI
60	CARGO_DECK	MUMBAI
70	COURIER%RACK	DELHI

7 rows selected.

SQL> SELECT Deptno, Dname, Loc  
2 FROM Dept  
3 WHERE Dname LIKE '%\_%';

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON
50	SHIPPING_DESK	CHENNAI
60	CARGO_DECK	MUMBAI
70	COURIER%RACK	DELHI

7 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Deptno, Dname, Loc
2 FROM Dept
3* WHERE Dname LIKE '%\_%'
SQL> /
```

no rows selected

SQL> INSERT INTO Dept  
2 VALUES(80, INV\STOCK ROOM', 'KOLKATA');  
ERROR:  
ORA-01756: quoted string not properly terminated

SQL> INSERT INTO Dept  
2 VALUES(80, 'INV\STOCK ROOM', 'KOLKATA');

1 row created.

SQL> cl scr



## Spool Generated For Class of Oracle By Satish K Yellanki

```
SQL> SELECT Deptno, Dname, Loc
2 FROM Dept;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON
50	SHIPPING_DESK	CHENNAI
60	CARGO_DECK	MUMBAI
70	COURIER%RACK	DELHI
80	INV\STOCK ROOM	KOLKATA

8 rows selected.

```
SQL> SELECT Deptno, Dname, Loc
2 FROM Dept
3 WHERE Dname LIKE '%\_%';
```

DEPTNO	DNAME	LOC
80	INV\STOCK ROOM	KOLKATA

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Deptno, Dname, Loc
2 FROM Dept
3* WHERE Dname LIKE '%\_%' ESCAPE '\ '
SQL> /
```

DEPTNO	DNAME	LOC
50	SHIPPING_DESK	CHENNAI
60	CARGO_DECK	MUMBAI

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Deptno, Dname, Loc
2 FROM Dept
3* WHERE Dname LIKE '%@_%' ESCAPE '@ '
SQL> /
```

DEPTNO	DNAME	LOC
50	SHIPPING_DESK	CHENNAI
60	CARGO_DECK	MUMBAI

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Deptno, Dname, Loc
2 FROM Dept
```

## Spool Generated For Class of Oracle By Satish K Yellanki

```
3* WHERE Dname LIKE '%__%' ESCAPE '_'
SQL> /
```

DEPTNO	DNAME	LOC
50	SHIPPING_DESK	CHENNAI
60	CARGO_DECK	MUMBAI

```
SQL> cl scr
```

```
SQL> SELECT Ename FROM Emp;
```

```
ENAME
```

```
-----
```

```
KING
BLAKE
CLARK
JONES
MARTIN
ALLEN
TURNER
JAMES
WARD
FORD
SMITH
```

```
ENAME
```

```
-----
```

```
SCOTT
ADAMS
MILLER
```

```
14 rows selected.
```

```
SQL> SELECT Ename, Sal FROM Emp;
```

ENAME	SAL
KING	5000
BLAKE	2850
CLARK	2450
JONES	2975
MARTIN	1250
ALLEN	1600
TURNER	1500
JAMES	950
WARD	1250
FORD	3000
SMITH	800

ENAME	SAL
SCOTT	3000
ADAMS	1100
MILLER	1300

## Spool Generated For Class of Oracle By Satish K Yellanki

14 rows selected.

SQL> cl scr

```
SQL> SELECT Ename, Sal, Deptno, job
       2 FROM Emp;
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
JONES	2975	20	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN
TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
FORD	3000	20	ANALYST
SMITH	800	20	CLERK

ENAME	SAL	DEPTNO	JOB
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK
MILLER	1300	10	CLERK

14 rows selected.

```
SQL> SELECT Ename, Sal, Deptno, job
       2 FROM Emp
       3 ORDER BY Ename;
```

ENAME	SAL	DEPTNO	JOB
ADAMS	1100	20	CLERK
ALLEN	1600	30	SALESMAN
BLAKE	2850	30	MANAGER
CLARK	2450	10	MANAGER
FORD	3000	20	ANALYST
JAMES	950	30	CLERK
JONES	2975	20	MANAGER
KING	5000	10	PRESIDENT
MARTIN	1250	30	SALESMAN
MILLER	1300	10	CLERK
SCOTT	3000	20	ANALYST

ENAME	SAL	DEPTNO	JOB
SMITH	800	20	CLERK
TURNER	1500	30	SALESMAN
WARD	1250	30	SALESMAN

14 rows selected.

SQL> ED

## Spool Generated For Class of Oracle By Satish K Yellanki

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, job
2 FROM Emp
3* ORDER BY Deptno
SQL> /
```

ENAME	SAL	DEPTNO	JOB
KING	5000	10	PRESIDENT
CLARK	2450	10	MANAGER
MILLER	1300	10	CLERK
JONES	2975	20	MANAGER
SCOTT	3000	20	ANALYST
ADAMS	1100	20	CLERK
SMITH	800	20	CLERK
FORD	3000	20	ANALYST
BLAKE	2850	30	MANAGER
MARTIN	1250	30	SALESMAN
ALLEN	1600	30	SALESMAN

ENAME	SAL	DEPTNO	JOB
TURNER	1500	30	SALESMAN
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN

14 rows selected.

```
SQL> ED
```

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, job
2 FROM Emp
3* ORDER BY Deptno, Sal
SQL> /
```

ENAME	SAL	DEPTNO	JOB
MILLER	1300	10	CLERK
CLARK	2450	10	MANAGER
KING	5000	10	PRESIDENT
SMITH	800	20	CLERK
ADAMS	1100	20	CLERK
JONES	2975	20	MANAGER
FORD	3000	20	ANALYST
SCOTT	3000	20	ANALYST
JAMES	950	30	CLERK
MARTIN	1250	30	SALESMAN
WARD	1250	30	SALESMAN

ENAME	SAL	DEPTNO	JOB
TURNER	1500	30	SALESMAN
ALLEN	1600	30	SALESMAN
BLAKE	2850	30	MANAGER

## Spool Generated For Class of Oracle By Satish K Yellanki

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Deptno, job
2 FROM Emp
3* ORDER BY Deptno, Sal, Ename DESC
SQL> /
```

ENAME	SAL	DEPTNO	JOB
MILLER	1300	10	CLERK
CLARK	2450	10	MANAGER
KING	5000	10	PRESIDENT
SMITH	800	20	CLERK
ADAMS	1100	20	CLERK
JONES	2975	20	MANAGER
SCOTT	3000	20	ANALYST
FORD	3000	20	ANALYST
JAMES	950	30	CLERK
WARD	1250	30	SALESMAN
MARTIN	1250	30	SALESMAN

ENAME	SAL	DEPTNO	JOB
TURNER	1500	30	SALESMAN
ALLEN	1600	30	SALESMAN
BLAKE	2850	30	MANAGER

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3* ORDER BY Comm
SQL> /
```

ENAME	SAL	COMM	TOTSAL
TURNER	1500	0	1500
ALLEN	1600	300	1900
WARD	1250	500	1750
MARTIN	1250	1400	2650
KING	5000		5000
FORD	3000		3000
SCOTT	3000		3000
MILLER	1300		1300
ADAMS	1100		1100
SMITH	800		800
JAMES	950		950

ENAME	SAL	COMM	TOTSAL
-------	-----	------	--------

## Spool Generated For Class of Oracle By Satish K Yellanki

```
-----  
BLAKE          2850          2850  
CLARK          2450          2450  
JONES          2975          2975
```

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
 1 SELECT Ename, Sal, Comm, Sal + NVL(Comm, 0) TotSal  
 2 FROM Emp  
 3* ORDER BY Sal + NVL(Comm, 0)  
SQL> /
```

```
-----  
ENAME          SAL          COMM          TOTSAL  
-----  
SMITH          800             0            800  
JAMES          950             0            950  
ADAMS          1100            0            1100  
MILLER         1300            0            1300  
TURNER         1500            0            1500  
WARD           1250            500          1750  
ALLEN          1600            300          1900  
CLARK          2450            0            2450  
MARTIN         1250            1400         2650  
BLAKE          2850            0            2850  
JONES          2975            0            2975
```

```
-----  
ENAME          SAL          COMM          TOTSAL  
-----  
FORD           3000            0            3000  
SCOTT          3000            0            3000  
KING           5000            0            5000
```

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
 1 SELECT Ename, Sal, Comm, Sal + NVL(Comm, 0) TotSal  
 2 FROM Emp  
 3* ORDER BY TotSal  
SQL> /
```

```
-----  
ENAME          SAL          COMM          TOTSAL  
-----  
SMITH          800             0            800  
JAMES          950             0            950  
ADAMS          1100            0            1100  
MILLER         1300            0            1300  
TURNER         1500            0            1500  
WARD           1250            500          1750  
ALLEN          1600            300          1900  
CLARK          2450            0            2450  
MARTIN         1250            1400         2650
```

## Spool Generated For Class of Oracle By Satish K Yellanki

BLAKE	2850	2850
JONES	2975	2975

ENAME	SAL	COMM	TOTSAL
-----	-----	-----	-----
FORD	3000		3000
SCOTT	3000		3000
KING	5000		5000

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3* ORDER BY Empno
SQL> /
```

ENAME	SAL	COMM	TOTSAL
-----	-----	-----	-----
SMITH	800		800
ALLEN	1600	300	1900
WARD	1250	500	1750
JONES	2975		2975
MARTIN	1250	1400	2650
BLAKE	2850		2850
CLARK	2450		2450
SCOTT	3000		3000
KING	5000		5000
TURNER	1500	0	1500
ADAMS	1100		1100

ENAME	SAL	COMM	TOTSAL
-----	-----	-----	-----
JAMES	950		950
FORD	3000		3000
MILLER	1300		1300

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3* ORDER BY 4
SQL> /
```

ENAME	SAL	COMM	TOTSAL
-----	-----	-----	-----
SMITH	800		800
JAMES	950		950
ADAMS	1100		1100
MILLER	1300		1300
TURNER	1500	0	1500

## Spool Generated For Class of Oracle By Satish K Yellanki

WARD	1250	500	1750
ALLEN	1600	300	1900
CLARK	2450		2450
MARTIN	1250	1400	2650
BLAKE	2850		2850
JONES	2975		2975

ENAME	SAL	COMM	TOTSAL
-----	-----	-----	-----
FORD	3000		3000
SCOTT	3000		3000
KING	5000		5000

14 rows selected.

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3* ORDER BY 5
```

SQL> /

ORDER BY 5

\*

ERROR at line 3:

ORA-01785: ORDER BY item must be the number of a SELECT-list expression

SQL> cl scr

SQL> ED

Wrote file afiedt.buf

```
1 SELECT Ename, Sal, Comm, Sal + NVL(Comm, 0) TotSal
2 FROM Emp
3* ORDER BY 4, 2 DESC, 1, Comm
```

SQL> /

ENAME	SAL	COMM	TOTSAL
-----	-----	-----	-----
SMITH	800		800
JAMES	950		950
ADAMS	1100		1100
MILLER	1300		1300
TURNER	1500	0	1500
WARD	1250	500	1750
ALLEN	1600	300	1900
CLARK	2450		2450
MARTIN	1250	1400	2650
BLAKE	2850		2850
JONES	2975		2975

ENAME	SAL	COMM	TOTSAL
-----	-----	-----	-----
FORD	3000		3000
SCOTT	3000		3000
KING	5000		5000

14 rows selected.

SQL> SPOOL OFF