

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

SQL> cl scr

SQL> SET VERIFY OFF

SQL> cl scr

SQL> SET SQLPROMPT SCOTT  
SCOTTSET SQLPROMPT SCOTT>  
SCOTT>cl scr

SCOTT>CREATE USER DBASEC  
2 IDENTIFIED BY DBASEC;  
IDENTIFIED BY DBASEC  
\*

ERROR at line 2:  
ORA-01031: insufficient privileges

SCOTT>COLUMN Empno FORMAT 9999  
SCOTT>COLUMN MGR FORMAT 9999  
SCOTT>COLUMN Sal FORMAT 9999  
SCOTT>COLUMN Comm FORMAT 9999  
SCOTT>COLUMN Deptno FORMAT 99  
SCOTT>cl scr

SCOTT>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.

SCOTT>GRANT SELECT  
2 ON Emp  
3 TO DBASEC;

Grant succeeded.

SCOTT>SPOOL OFF  
SQL> SET SQLPROMPT SCOTT>

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

SCOTT>cl scr

SCOTT>DESC USER\_TAB\_PRIVS\_MADE

Name	Null?	Type
GRANTEE	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
GRANTOR	NOT NULL	VARCHAR2(30)
PRIVILEGE	NOT NULL	VARCHAR2(40)
GRANTABLE		VARCHAR2(3)
HIERARCHY		VARCHAR2(3)

SCOTT>COLUMN GRANTEE FORMAT A15

SCOTT>COLUMN "Table" FORMAT A15

SCOTT>COLUMN GRANTOR FORMAT A15

SCOTT>COLUMN PRIVILEGE FORMAT A15

SCOTT>SELECT  
2 GRANTEE,  
3 TABLE\_NAME "Table",  
4 GRANTOR,  
5 PRIVILEGE  
6 FROM USER\_TAB\_PRIVS\_MADE;

no rows selected

SCOTT>

SCOTT>cl scr

SCOTT>COLUMN Empno FORMAT 9999

SCOTT>COLUMN Sal FORMAT 9999

SCOTT>COLUMN Comm FORMAT 9999

SCOTT>COLUMN MGR FORMAT 9999

SCOTT>COLUMN Deptno FORMAT 99

SCOTT>cl scr

SCOTT>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

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

14 rows selected.

```
SCOTT>GRANT SELECT
  2  ON Emp
  3  TO DBASEC;
```

Grant succeeded.

```
SCOTT>SELECT
  2  GRANTEE,
  3  TABLE_NAME "Table",
  4  GRANTOR,
  5  PRIVILEGE
  6  FROM USER_TAB_PRIVS_MADE;
```

GRANTEE	Table	GRANTOR	PRIVILEGE
DBASEC	EMP	SCOTT	SELECT

```
SCOTT>GRANT SELECT, DELETE
  2  ON Dept
  3  TO DBASEC;
```

Grant succeeded.

```
SCOTT>SELECT
  2  GRANTEE,
  3  TABLE_NAME "Table",
  4  GRANTOR,
  5  PRIVILEGE
  6  FROM USER_TAB_PRIVS_MADE;
```

GRANTEE	Table	GRANTOR	PRIVILEGE
DBASEC	DEPT	SCOTT	SELECT
DBASEC	EMP	SCOTT	SELECT
DBASEC	DEPT	SCOTT	DELETE

```
SCOTT>SELECT * FROM Dept;
```

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

```
SCOTT>ROLLBACK;
```

Rollback complete.

```
SCOTT>cl scr
```

```
SCOTT>GRANT INSERT
  2  ON Dept
```

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

```
3 TO DBASEC;
```

Grant succeeded.

```
SCOTT>SELECT * FROM Dept;
```

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

```
SCOTT>INSERT INTO SCOTT.Dept
2 VALUES(50, 'SHIPPING', 'CHENNAI');
```

1 row created.

```
SCOTT>SELECT * FROM Dept;
```

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

```
SCOTT>COMMIT;
```

Commit complete.

```
SCOTT>REVOKE SELECT
2 ON Emp
3 FROM DBASEC;
```

Revoke succeeded.

```
SCOTT>REVOKE SELECT, INSERT, DELETE
2 ON Dept
3 FROM DBASEC;
```

Revoke succeeded.

```
SCOTT>cl scr
```

```
SCOTT>SELECT
2 GRANTEE,
3 TABLE_NAME "Table",
4 GRANTOR,
5 PRIVILEGE
6 FROM USER_TAB_PRIVS_MADE;
```

no rows selected

```
SCOTT>cl scr
```

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

```
SCOTT>CREATE ROLE EmpSec;
CREATE ROLE EmpSec
*
ERROR at line 1:
ORA-01031: insufficient privileges
```

```
SCOTT>CREATE ROLE EmpSec;

Role created.
```

```
SCOTT>GRANT SELECT, UPDATE
2  ON Emp
3  TO EmpSec;
```

Grant succeeded.

```
SCOTT>GRANT EmpSec
2  TO DBASEC;
```

Grant succeeded.

```
SCOTT>GRANT SELECT
2  ON Dept
3  TO EmpSec;
```

Grant succeeded.

```
SCOTT>REVOKE SELECT
2  ON Emp
3  FROM EmpSec;
```

Revoke succeeded.

```
SCOTT>DESC USER_ROLE_PRIVS
```

Name	Null?	Type
-----	-----	-----
USERNAME		VARCHAR2(30)
GRANTED_ROLE		VARCHAR2(30)
ADMIN_OPTION		VARCHAR2(3)
DEFAULT_ROLE		VARCHAR2(3)
OS_GRANTED		VARCHAR2(3)

```
SCOTT>SELECT
2  USERNAME,
3  GRANTED_ROLE
4  FROM USER_ROLE_PRIVS;
```

USERNAME	GRANTED_ROLE
-----	-----
SCOTT	CONNECT
SCOTT	EMPSEC
SCOTT	RESOURCE

```
SCOTT>DESC ROLE_SYS_PRIVS
```

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

Name	Null?	Type
ROLE	NOT NULL	VARCHAR2(30)
PRIVILEGE	NOT NULL	VARCHAR2(40)
ADMIN_OPTION		VARCHAR2(3)

```
SCOTT>COLUMN ROLE FORMAT A10
SCOTT>COLUMN PRIVILEGE FORMAT A20
SCOTT>SELECT
  2  ROLE,
  3  PRIVILEGE
  4  FROM ROLE_SYS_PRIVS;
```

ROLE	PRIVILEGE
CONNECT	CREATE VIEW
CONNECT	CREATE TABLE
CONNECT	ALTER SESSION
CONNECT	CREATE CLUSTER
CONNECT	CREATE SESSION
CONNECT	CREATE SYNONYM
CONNECT	CREATE SEQUENCE
CONNECT	CREATE DATABASE LINK
RESOURCE	CREATE TYPE
RESOURCE	CREATE TABLE
RESOURCE	CREATE CLUSTER

ROLE	PRIVILEGE
RESOURCE	CREATE TRIGGER
RESOURCE	CREATE OPERATOR
RESOURCE	CREATE SEQUENCE
RESOURCE	CREATE INDEXTYPE
RESOURCE	CREATE PROCEDURE

16 rows selected.

```
SCOTT>DESC ROLE_TAB_PRIVS
```

Name	Null?	Type
ROLE	NOT NULL	VARCHAR2(30)
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME		VARCHAR2(30)
PRIVILEGE	NOT NULL	VARCHAR2(40)
GRANTABLE		VARCHAR2(3)

```
SCOTT>SELECT
  2  ROLE,
  3  PRIVILEGE
  4  FROM ROLE_TAB_PRIVS;
```

ROLE	PRIVILEGE
EMPSEC	UPDATE
EMPSEC	SELECT

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

SCOTT>DROP ROLE EmpSec;

Role dropped.

SCOTT>cl scr

SCOTT>CREATE SYNONYM Employee  
2 FOR SCOTT.Emp;

Synonym created.

SCOTT>DESC Employee

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)

SCOTT>SELECT \* FROM Employee;

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.

SCOTT>GRANT SELECT  
2 ON Employee  
3 TO DBASEC;

Grant succeeded.

SCOTT>CREATE PUBLIC SYNONYM Employee  
2 FOR SCOTT.Emp;

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```
CREATE PUBLIC SYNONYM Employee
```

```
*
```

```
ERROR at line 1:
```

```
ORA-01031: insufficient privileges
```

```
SCOTT>CREATE PUBLIC SYNONYM Employee
```

```
2 FOR SCOTT.Emp;
```

```
Synonym created.
```

```
SCOTT>SPOOL OFF
```