

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SQL> SET SQLPROMPT SCOTT>
SCOTT>cl scr
```

```
SCOTT>CREATE ROLE SCOTTRole;
```

Role created.

```
SCOTT>GRANT SELECT, DELETE ON Emp
2 TO SCOTTRole;
```

Grant succeeded.

```
SCOTT>GRANT SCOTTRole TO Dbase;
```

Grant succeeded.

```
SCOTT>GRANT SELECT ON SalGrade TO SCOTTRole;
```

Grant succeeded.

```
SCOTT>CREATE ROLE SCOTTRole02;
```

Role created.

```
SCOTT>GRANT SELECT, DELETE ON Dept TO SCOTTRole02;
```

Grant succeeded.

```
SCOTT>GRANT SCOTTRole02 TO SAMPSEC;
```

Grant succeeded.

```
SCOTT>CREATE ROLE SCOTTRole03;
```

Role created.

```
SCOTT>GRANT SCOTTRole, SCOTTRole02 TO SCOTTRole03;
```

Grant succeeded.

```
SCOTT>GRANT SCOTTRole03 TO SampSec;
```

```
SP2-0734: unknown command beginning "GRANT SCO..." - rest of line
ignored.
```

```
SCOTT>GRANT SCOTTRole03 TO SampSec;
```

Grant succeeded.

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SCOTT>cl scr

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 RESOURCE
SCOTT SCOTTROLE
SCOTT SCOTTROLE02
SCOTT SCOTTROLE03

SCOTT>cl scr

SCOTT>DESC DESC ROLE_SYS_PRIVS

Usage: DESCRIBE [schema.]object[@db_link]

SCOTT>DESC ROLE_SYS_PRIVS

Name	Null?
------	-------

Type

ROLE NOT
NULL VARCHAR2(30)
PRIVILEGE NOT
NULL VARCHAR2(40)
ADMIN_OPTION
VARCHAR2(3)

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

ROLE	PRIVILEGE
RESOURCE	CREATE TRIGGER
RESOURCE	CREATE SEQUENCE
RESOURCE	CREATE TYPE
RESOURCE	CREATE PROCEDURE
RESOURCE	CREATE CLUSTER
CONNECT	CREATE SESSION
RESOURCE	CREATE OPERATOR
RESOURCE	CREATE INDEXTYPE
RESOURCE	CREATE TABLE

9 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
SCOTTROLE0	SELECT

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2

```
SCOTTROLE  DELETE
SCOTTROLE0 DELETE
2
```

```
SCOTTROLE  SELECT
SCOTTROLE  SELECT
```

```
SCOTT>REVOKE SCOTTRole03 TO SampSec;
REVOKE SCOTTRole03 TO SampSec
*
ERROR at line 1:
ORA-00990: missing or invalid privilege
```

```
SCOTT>REVOKE SCOTTRole03 FROM SampSec;
```

Revoke succeeded.

```
SCOTT>REVOKE SELECT ON Emp FROM SCOTTRole;
```

Revoke succeeded.

```
SCOTT>REVOKE ALL ON Dept FROM SCOTTRole02;
```

Revoke succeeded.

```
SCOTT>DROP ROLE SCOTTRole;
```

Role dropped.

```
SCOTT>DROP ROLE SCOTTRole02;
```

Role dropped.

```
SCOTT>DROP ROLE SCOTTRole03;
```

Role dropped.

```
SCOTT>CREATE SYNONYM Employees
2 FOR SCOTT.Emp@SkyEssDB;
```

Synonym created.

```
SCOTT>DESC Employees
```

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```
Name
Type
```

Null?

```
-----
EMPNO
NULL NUMBER(4)
ENAME
VARCHAR2(10)
JOB
VARCHAR2(9)
MGR
NUMBER(4)
HIREDATE
DATE
SAL
NUMBER(7,2)
COMM
NUMBER(7,2)
DEPTNO
NULL NUMBER(2)
```

NOT

NOT

SCOTT>SELECT * FROM Employees;

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

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20	7369 SMITH	CLERK	7902 17-DEC-80	800
20	7788 SCOTT	ANALYST	7566 09-DEC-82	3000
20	7876 ADAMS	CLERK	7788 12-JAN-83	1100
10	7934 MILLER	CLERK	7782 23-JAN-82	1300

14 rows selected.

SCOTT>GRANT SELECT ON Employees TO DBASEC;

Grant succeeded.

SCOTT>CREATE PUBLIC SYNONYM Employees
2 FOR SCOTT.Emp@SkyEssDB;

Synonym created.

SCOTT>SPOOL OFF

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