

Spool File For Oracle Students Trained By Mr. Balram

```
SQL> SET SQLPROMPT SCOTT>
SCOTT>CREATE USER DBASEC
      2 IDENTIFIED BY DBASEC;
IDENTIFIED BY DBASEC
      *
```

ERROR at line 2:
ORA-01031: insufficient privileges

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

Grant succeeded.

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

Grant succeeded.

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

Revoke succeeded.

```
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>COL GRANTEE FOR A15
SCOTT>COL "Table" FOR A15
SCOTT>COL GRANTOR FOR A15
SCOTT>COL PRIVILEGE FOR A15
SCOTT>SELECT
      2 GRANTEE,
      3 TABLE_NAME "Table",
```

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```
4 GRANTOR,  
5 PRIVILEGE  
6 FROM USER_TAB_PRIVS_MADE;
```

GRANTEE	Table	GRANTOR	PRIVILEGE
HR	SAMPLESEQ06	SCOTT	SELECT
DBASEC	EMP	SCOTT	SELECT

```
SCOTT>REVOKE SELECT ON SAMPLESEQ06 FROM HR;
```

Revoke succeeded.

```
SCOTT>COL GRANTEE FOR A15  
SCOTT>COL "Table" FOR A15  
SCOTT>COL GRANTOR FOR A15  
SCOTT>COL PRIVILEGE FOR A15  
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, UPDATE ON Emp 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	UPDATE
DBASEC	EMP	SCOTT	SELECT

```
SCOTT>GRANT SELECT ON Dept TO DBASEC;
```

Grant succeeded.

```
SCOTT>SELECT  
2 GRANTEE,  
3 TABLE_NAME "Table",  
4 GRANTOR,  
5 PRIVILEGE
```

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```
6 FROM USER_TAB_PRIVS_MADE;
```

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

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

Revoke 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	UPDATE
DBASEC	DEPT	SCOTT	SELECT

```
SCOTT>REVOKE UPDATE ON EMP FROM DBASEC;
```

Revoke 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

```
SCOTT>REVOKE SELECT ON DEPT FROM DBASEC;
```

Revoke succeeded.

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

no rows selected

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

```
SCOTT>CREATE ROLE SCOTTROLE;
```

Role created.

```
SCOTT>GRANT SELECT ON Dept TO SCOTTROLE;
```

Grant succeeded.

```
SCOTT>GRANT SCOTTROLE TO DBASEC;
```

Grant succeeded.

```
SCOTT>GRANT SELECT ON Emp TO SCOTTROLE;
```

Grant 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	RESOURCE
SCOTT	SCOTTROLE

```
SCOTT>DESC ROLE_SYS_PRIVS;
```

Name	Null?
Type	

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

```
SCOTT>COL ROLE FORMAT A10
SCOTT>COL 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
------	-----------

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```
-----
SCOTTROLE  SELECT
SCOTTROLE  SELECT
```

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

Revoke succeeded.

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

```
ROLE          PRIVILEGE
-----
```

```
SCOTTROLE  SELECT
```

```
SCOTT>GRANT UPDATE, INSERT, DELETE TO SCOTTROLE;
GRANT UPDATE, INSERT, DELETE TO SCOTTROLE
      *
```

```
ERROR at line 1:
ORA-01919: role 'DELETE' does not exist
```

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

```
ROLE          PRIVILEGE
-----
```

```
SCOTTROLE  SELECT
```

```
SCOTT>GRANT UPDATE, INSERT TO SCOTTROLE;
GRANT UPDATE, INSERT TO SCOTTROLE
      *
```

```
ERROR at line 1:
ORA-01919: role 'INSERT' does not exist
```

```
SCOTT>GRANT UPDATE, INSERT, DELETE ON EMP TO SCOTTROLE;
```

Grant succeeded.

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

```
ROLE          PRIVILEGE
-----
```

```
SCOTTROLE  DELETE
SCOTTROLE  SELECT
SCOTTROLE  INSERT
```

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SCOTTROLE UPDATE

SCOTT>DROP ROLE SCOTTROLE;

Role dropped.

SCOTT>SELECT

```
2  ROLE,
3  PRIVILEGE
4  FROM ROLE_TAB_PRIVS;
```

no rows selected

SCOTT>-- SYNONYMS --

SCOTT>CREATE SYNONYM Employees FOR Emp;

CREATE SYNONYM Employees FOR Emp

*

ERROR at line 1:

ORA-01031: insufficient privileges

SCOTT>CREATE SYNONYM Employees FOR Emp;

CREATE SYNONYM Employees FOR Emp

*

ERROR at line 1:

ORA-00955: name is already used by an existing object

SCOTT>DROP VIEW Employees;

View dropped.

SCOTT>CREATE SYNONYM Employees FOR Emp;

Synonym created.

SCOTT>SELECT * FROM TAB;

TNAME	TABTYPE	CLUSTERID
BONUS	TABLE	
CUMSUM	VIEW	
DEPT	TABLE	
DEPT10	TABLE	
DEPTSALSUMMARY	VIEW	
EDEPT30	VIEW	
EMP	TABLE	
EMPACCOUNTS	VIEW	
EMPGRADEINS	VIEW	
EMPGRADES	VIEW	
EMPGRADES01	TABLE	
EMPINFO	VIEW	
EMPLOYEES	SYNONYM	
EMPLOYEESDET	VIEW	

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```

EMPMANAGERS      VIEW
INSERTDEPT       VIEW
MYDEPT           TABLE
    
```

```

TNAME            TABTYPE  CLUSTERID
-----
MYMASTER        TABLE
MYMASTERDF      TABLE
ORGDESIGNATIONS  VIEW
SALGRADE         TABLE
SAMPLE01         TABLE
SAMPLE02         TABLE
SAMPLE03         TABLE
SAMPLE04         TABLE
SAMPLE05         TABLE
SAMPLE06         TABLE
SAMPLE07         TABLE
SAMPLE08         TABLE
SAMPLE09_01      TABLE
SAMPLE09_02      TABLE
SAMPLE09_03      TABLE
SAMPLEALT01      TABLE
SAMPLECKFK02     TABLE
    
```

```

TNAME            TABTYPE  CLUSTERID
-----
SAMPLECKPK02     TABLE
SAMPLEFK01       TABLE
SAMPLEFK02       TABLE
SAMPLEFK03       TABLE
SAMPLEFK04       TABLE
SAMPLENN01       TABLE
SAMPLENN02       TABLE
SAMPLEPK01       TABLE
SAMPLEPK03       TABLE
SAMPLEPK04       TABLE
SAMPLEUNQ01      TABLE
SAMPLEUNQ02      TABLE
SAMPLEUNQ03      TABLE
SAMPLEUNQ04      TABLE
    
```

48 rows selected.

SCOTT>SELECT * FROM Employees;

```

      EMPNO ENAME      JOB              MGR HIREDATE          SAL
-----
10      7839 KING        PRESIDENT              17-NOV-81          5000
30      7698 BLAKE        MANAGER                7839 01-MAY-81          2850
    
```


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10	7782	CLARK	MANAGER	7839	09-JUN-81	2450
20	7566	JONES	MANAGER	7839	02-APR-81	2975
1400	7654	MARTIN	SALESMAN	7698	28-SEP-81	1250
	30					
300	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600
	30					
0	7844	TURNER	SALESMAN	7698	08-SEP-81	1500
	30					
30	7900	JAMES	CLERK	7698	03-DEC-81	950
500	7521	WARD	SALESMAN	7698	22-FEB-81	1250
	30					
20	7902	FORD	ANALYST	7566	03-DEC-81	3000
20	7369	SMITH	CLERK	7902	17-NOV-80	800
20	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						
	7935	RAKESH				2000
30						

15 rows selected.

```
SCOTT>DROP TABLE Employees;  
DROP TABLE Employees
```

*

```
ERROR at line 1:  
ORA-00942: table or view does not exist
```

```
SCOTT>GRANT SELECT ON Employees TO DBASEC;
```

Grant succeeded.

```
SCOTT>CREATE PUBLIC SYNONYM Employees FOR SCOTT.Emp;  
CREATE PUBLIC SYNONYM Employees FOR SCOTT.Emp
```

*

```
ERROR at line 1:  
ORA-01031: insufficient privileges
```

```
SCOTT>CREATE PUBLIC SYNONYM Employees FOR SCOTT.Emp;
```

Synonym created.

```
SCOTT>DROP SYNONYM Employees;
```

Synonym dropped.

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```
SCOTT>DROP PUBLIC SYNONYM Employees;  
DROP PUBLIC SYNONYM Employees  
*
```

```
ERROR at line 1:  
ORA-00950: invalid DROP option
```

```
SCOTT>DROP PUBLIC SYNONYM Employees;  
DROP PUBLIC SYNONYM Employees  
*
```

```
ERROR at line 1:  
ORA-01031: insufficient privileges
```

```
SCOTT>DROP PUBLIC SYNONYM Employees;
```

```
Synonym dropped.
```

```
SCOTT>SPPOOL OFF
```

Oracle 11g (SQL) By Balram