SQL> create user user1 identified externally; User created. mysql> select a.f_name,a.l_name,b.d_name from it a right join dep b on a.s_id=b.s_id; 1 name d name saurabh khandagale | IT rajendre kharate CM kismis automobile kaju arpit suchak civil sarang ingle mechanical yash v rock textile dhaiwale karan it vinay khare CM j rock jay automobile reharrsh r_rock 10 rows in set (0.00 sec) mysql> select a.f_name,a.l_name,b.d_name from it a left join dep b on a.s_id=b.s_id;

f_name	l_name	d_name
saurabh	khandagale	IT
rajendre	kharate	cm
kaju	kismis	automobile
arpit	suchak	civil
sarang	ingle	mechanical
yash	v rock	textile
karan	dhaiwale	it
vinay	khare	cm
jay	j rock	cm
reharrsh	r rock	automobile
ddd	rr	NULL

11 rows in set (0.00 sec)

```
mysql> select a.f name,a.l name,b.d name from it a inner join dep b on a.s id=b.s id;
 f name
          1_name
                        d name
 saurabh
            khandagale
                        IT
            kharate
 rajendre
                         CM
            kismis
                         automobile
 kaju
 arpit
            suchak
                         civil
            ingle
                         mechanical
 sarang
                        textile
            v rock
  yash
            dhaiwale
                        it
  karan
 vinay
            khare
                        CM
  jay
            j_rock
                        CM
                        automobile
 reharrsh | r rock
10 rows in set (0.00 sec)
mysql> select a.f name,a.l name,b.d name from it a cross join dep b on a.s id=b.s id;
            1 name
                         d name
  f name
 saurabh
             khandagale |
                         IT
 rajendre
             kharate
                          CM
 kaju
             kismis
                          automobile
 arpit
             suchak
                          civil
             ingle
                         mechanical
 sarang
             v rock
                         textile
  yash
             dhaiwale
                         it
  karan
  vinay
             khare
                          CM
            j rock
  jay
                          CM
                          automobile
 reharrsh
             r rock
10 rows in set (0.02 sec)
```

```
SQL> create trigger t111 before delete on dep
 2 declare
 3 begin
 4 dbms output.put line('sorry');
Trigger created.
SQL> select * from dep;
     D_ID D_NAME
                                      TD
      111 it1
      222 cm1
      333 am
SQL> delete from dep where id=1;
1 row deleted.
SQL> select * from dep;
     D ID D NAME
                                      ID
      222 cm1
      333 am
SQL> revoke;
mysql> create view v44 as select * from t3;
Query OK, 0 rows affected (0.08 sec)
mysql> select * from v44;
 t1 | t2 | d_id
 111 | rocky |
               111
  211
       rocky
                 211
  311 | rocky |
               311
3 rows in set (0.00 sec)
mysql> delete from v44 where t1=111;
Query OK, 1 row affected (0.07 sec)
mysql> update v44 set t2='bhoky' where t1=111;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0
mysql> drop view v44;
Query OK, 0 rows affected (0.01 sec)
mysal>
```

```
SQL> ed;
Wrote file afiedt.buf
 1 create trigger t3 after insert on dep
    declare
 3 begin
   select count(*) into i from dep;
 5 dbms output.put line('count'||count);
 6* end;
SQL> /
Warning: Trigger created with compilation errors.
SQL> select * from t3;
select * from t3
ERROR at line 1:
ORA-00942: table or view does not exist
SQL> select * from dep;
     D_ID D_NAME
                                        ID
      111 it1
                                         1
      222 cm1
       333 am
SQL> insert into dep values(444, 'ee',4);
insert into dep values(444, 'ee',4)
ERROR at line 1:
ORA-04098: trigger 'ROOT.T3' is invalid and failed re-validation
```

```
mysql> select * from t3;
SQL> create trigger t111 before delete on dep
                                                                                           d id
      declare
                                                                                211 | rocky | 211
      begin
                                                                                311 | rocky | 311
      dbms output.put line('sorry');
                                                                               2 rows in set (0.00 sec)
    end:
                                                                               mysql> select f_name from it where s_id=(select s_id from dep where d_id=111);
                                                                                f name
Trigger created.
                                                                                saurabh
SQL> select * from dep;
                                                                               1 row in set (0.00 sec)
       D ID D NAME
                                                       ID
                                                                               mysql> select f_name from it where s_id=(select s_id from dep where d_id=(select d_id from t3 where d_id=211));
                                                                                f name
         111 it1
         222 cm1
                                                                                rajendre
         333 am
                                                                                row in set (0.00 sec)
SQL> delete from dep where id=1;
                                                                               mysql> select f_name from it where s_id=(select s_id from dep where d_id=(select d_id from t3 where d_id=311));
                                                                                f name
1 row deleted.
                                                                                kaju
SQL> select * from dep;
                                                                               l row in set (0.00 sec)
       D ID D NAME
                                                       ID
                                                                               mysql> select f name from it where s id=(select s id from dep where d id=111);
                                                                                ----+
                                                                                f name
         222 cm1
         333 am
                                                                                saurabh
                                                                               l row in set (0.00 sec)
SQL> revoke;
```