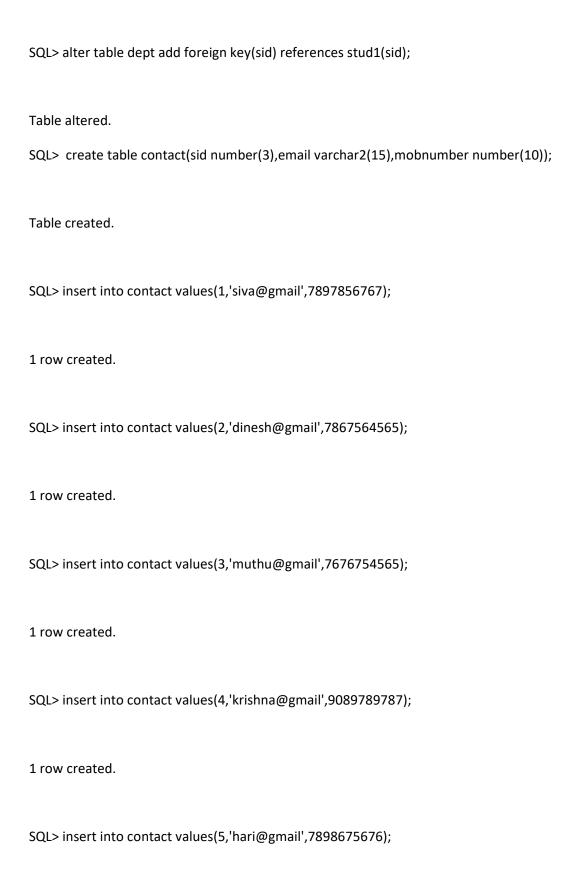# VIEWS

SQL> create table stud1(sid number(3) primary key,fname varchar2(10),lname varchar2(10),age number(2));

Table created.

SQL> insert into stud1 values(1,'siva','kumar',20);

1 row created.

SQL> insert into stud1 values(2,'dinesh','kumar',19);

1 row created.

SQL> insert into stud1 values(3,'muthu','krishnan',19);

1 row created.

SQL> insert into stud1 values(4,'krishna','moorthy',20);

1 row created.

SQL> insert into stud1 values(5,'hari','haran',20);

1 row created.

SQL> select * from stud1;

```
   SID FNAME      LNAME          AGE

---------- ---------- ---------- ----------

     1 siva      kumar          20

     2 dinesh    kumar          19

     3 muthu     krishnan       19

     4 krishna   moorthy        20

     5 hari      haran          20
```

SQL> create table dept(sid number(3),deptname varchar2(5));

Table created.

SQL> insert into dept values(1,'csc');

1 row created.

SQL> insert into dept values(2,'maths');

1 row created.

SQL> insert into dept values(3,'maths');

1 row created.

SQL> insert into dept values(4,'phy');

1 row created.

SQL> insert into dept values(5,'phy');

1 row created.

SQL> select * from dept;

```
    SID DEPTN
---------- -----
      1 csc
      2 maths
      3 maths
      4 phy
      5 phy
```

SQL> alter table dept add foreign key(sid) references stud1(sid);

Table altered.

SQL> create table contact(sid number(3),email varchar2(15),mobnumber number(10));

Table created.

SQL> insert into contact values(1,'siva@gmail',7897856767);

1 row created.

SQL> insert into contact values(2,'dinesh@gmail',7867564565);

1 row created.

SQL> insert into contact values(3,'muthu@gmail',7676754565);

1 row created.

SQL> insert into contact values(4,'krishna@gmail',9089789787);

1 row created.

SQL> insert into contact values(5,'hari@gmail',7898675676);

1 row created.

SQL> select * from contact;

```
     SID EMAIL          MOBNUMBER

---------- -------------- ----------

       1 siva@gmail      7897856767

       2 dinesh@gmail    7867564565

       3 muthu@gmail     7676754565

       4 krishna@gmail   9089789787

       5 hari@gmail      7898675676
```

SQL> alter table contact add foreign key(sid) references stud1(sid);

Table altered.

SQL> create view siva as select s.sid,s.fname,d.deptname,c.email from stud1 s,dept d,contact c where s.sid=d.sid and s.sid=c.sid;

View created.

SQL> select * from siva;

```
     SID FNAME     DEPTN EMAIL

---------- ---------- ----- --------------
```

1 siva   csc   siva@gmail

        2 dinesh   maths dinesh@gmail

        3 muthu   maths muthu@gmail

        4 krishna   phy   krishna@gmail

        5 hari   phy   hari@gmail

SQL> create view siva1 as select * from contact;

View created.

SQL> update siva1 set mobnumber=9877876787 where sid=3;

1 row updated.

SQL> select * from contact;

     SID EMAIL   MOBNUMBER

---------- --------------- ----------

       1 siva@gmail   7897856767

       2 dinesh@gmail   7867564565

       3 muthu@gmail   9877876787

       4 krishna@gmail   9089789787

       5 hari@gmail   7898675676

```
SQL> select * from siva1;


       SID EMAIL          MOBNUMBER

---------- -------------- ----------

         1 siva@gmail     7897856767

         2 dinesh@gmail   7867564565

         3 muthu@gmail     9877876787

         4 krishna@gmail  9089789787

         5 hari@gmail     7898675676
```