SQL> create table stud (s\_id number(3) primary key , First\_name varchar2(10),Last\_name varchar2(10), Age number(2));

Table created.

SQL> desc stud;

Name Null? Type

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

S\_ID NOT NULL NUMBER(3)

FIRST\_NAME VARCHAR2(10)

LAST\_NAME VARCHAR2(10)

AGE NUMBER(2)

SQL> create table Dept(s\_id number(3),dept\_id number(3));

Table created.

SQL> desc Dept;

Name Null? Type

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

S\_ID NUMBER(3)

DEPT\_ID NUMBER(3)

SQL> alter table Dept modify(s\_id number(3) primary key);

Table altered.

SQL> desc Dept;

Name Null? Type

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

S\_ID NOT NULL NUMBER(3)

DEPT\_ID NUMBER(3)

SQL> insert into stud values(1,'A','B',10);

1 row created.

SQL> insert into stud values(2,'c','d',15);

1 row created.

SQL> insert into stud values(3,'e','f',20);

1 row created.

SQL> insert into stud values(4,'g','h',17);

1 row created.

SQL> delete from stud;

4 rows deleted.

SQL> insert into stud values(10,'tony','stark',50);

1 row created.

SQL> insert into stud values(11,'steve','rogers',38);

1 row created.

SQL> insert into stud values(13,'natasha','romanoff',25);

1 row created.

SQL> insert into stud values(14,'star','lord',20);

1 row created.

SQL> insert into stud values(15,'peter','parker',20);

1 row created.

SQL> insert into stud values(16,'tyroin','lannister',28);

1 row created.

SQL> select\*from stud;

S\_ID FIRST\_NAME LAST\_NAME AGE

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

10 tony stark 50

11 steve rogers 38

13 natasha romanoff 25

14 star lord 20

15 peter parker 20

16 tyroin lannister 28

6 rows selected.

SQL> alter table dept modify(dept\_id varchar2(10));

Table altered.

SQL> insert into dept values(10,'CSC');

1 row created.

SQL> insert into dept values(11,'mech');

1 row created.

SQL> insert into dept values(13,'pt');

1 row created.

SQL> insert into dept values(14,'astro');

1 row created.

SQL> insert into dept values(15,'physics');

1 row created.

SQL> insert into dept values(16,'politics');

1 row created.

SQL> select\*from dept;

S\_ID DEPT\_ID

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

10 CSC

11 mech

13 pt

14 astro

15 physics

16 politics

6 rows selected.

SQL> alter table dept add foreign key(s\_id ) references stud(s\_id);

Table altered.

SQL> desc dept;

Name Null? Type

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

S\_ID NOT NULL NUMBER(3)

DEPT\_ID VARCHAR2(10)

SQL> update dept set dept\_id = 'mech' where s\_id=10;

1 row updated.

SQL> desc dept;

Name Null? Type

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

S\_ID NOT NULL NUMBER(3)

DEPT\_ID VARCHAR2(10)

SQL> select\*from dept;

S\_ID DEPT\_ID

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

10 mech

11 mech

13 pt

14 astro

15 physics

16 politics

6 rows selected.

SQL> create table contact(s\_id number(2),Email varchar2(30),Mobile number(10));

Table created.

SQL> insert into contact values(10,'abc@gmail.com',9876543210);

1 row created.

SQL> insert into contact values(11,'steve@gmail.com',9998884441);

1 row created.

SQL> insert into contact values(13,'natasha@gmail.com',9669696459);

1 row created.

SQL> insert into contact values(14,'starlord@space.com',1234567890);

1 row created.

SQL> insert into contact values(15,'spidy@verse.com',2468135790);

1 row created.

SQL> insert into contact values(16,'tryroin@lannister.com',1470258369);

1 row created.

SQL> update contact set email='tony@stark.com' where s\_id=10;

1 row updated.

SQL> select\*from contact;

S\_ID EMAIL MOBILE

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

10 tony@stark.com 9876543210

11 steve@gmail.com 9998884441

13 natasha@gmail.com 9669696459

14 starlord@space.com 1234567890

15 spidy@verse.com 2468135790

16 tryroin@lannister.com 1470258369

6 rows selected.

SQL> alter table contact add foreign key(s\_id) references stud(s\_id);

Table altered.

SQL> create view always as select s.s\_id,s.first\_name,d.dept\_id,c.email from stud s,dept d, contact c where s.s\_id=d.s\_id and s.s\_id=c.s\_id;

View created.

SQL> select\*from always;

S\_ID FIRST\_NAME DEPT\_ID EMAIL

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

10 tony mech tony@stark.com

11 steve mech steve@gmail.com

13 natasha pt natasha@gmail.com

14 star astro starlord@space.com

15 peter physics spidy@verse.com

16 tyroin politics tryroin@lannister.com

6 rows selected.

SQL> create view v1 as select\*from contact;

View created.

SQL> select \* from v1;

S\_ID EMAIL MOBILE

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

10 tony@stark.com 9876543210

11 steve@gmail.com 9998884441

13 natasha@gmail.com 9669696459

14 starlord@space.com 1234567890

15 spidy@verse.com 2468135790

16 tryroin@lannister.com 1470258369

6 rows selected.

SQL> update contact set mobile=1593574682 where s\_id=14;

1 row updated.

SQL> select\*from v1;

S\_ID EMAIL MOBILE

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

10 tony@stark.com 9876543210

11 steve@gmail.com 9998884441

13 natasha@gmail.com 9669696459

14 starlord@space.com 1593574682

15 spidy@verse.com 2468135790

16 tryroin@lannister.com 1470258369

6 rows selected.

SQL> select\*from contact;

S\_ID EMAIL MOBILE

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

10 tony@stark.com 9876543210

11 steve@gmail.com 9998884441

13 natasha@gmail.com 9669696459

14 starlord@space.com 1593574682

15 spidy@verse.com 2468135790

16 tryroin@lannister.com 1470258369

6 rows selected.

SQL> select \*from contact where s\_id=(select s\_id from contact where mobile=9876543210);

S\_ID EMAIL MOBILE

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

10 tony@stark.com 9876543210