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

Table created.

SQL> desc student;

Name Null? Type

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

SID NOT NULL NUMBER(3)

FIRST\_NAME VARCHAR2(10)

LAST\_NAME VARCHAR2(10)

AGE NUMBER(2)

SQL> create table Dept(studid number(3) primary key,dept\_id number(3));

Table created.

SQL> desc dept;

Name Null? Type

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

STUDID primary key NUMBER(3)

DEPT\_ID NUMBER(3)

SQL> insert into stud values(10,'jay','vij',20);

1 row created.

SQL> insert into stud values(30,'ram','kumar',10);

1 row created.

SQL> insert into stud values(20,'yuk','har',50);

1 row created.

SQL> insert into stud values(04,'hari','sun',78);

1 row created.

SQL> insert into stud values(01,'abhi','sur',16);

1 row created.

SQL> insert into stud values(02,'yugi','aru',41);

1 row created.

SQL> select\* from stud;

SID FIRST\_NAME LAST\_NAME AGE

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

33 jay vij 20

30 ran kumar 10

20 yuk har 50

4 hari sun 78

1 abhi sur 16

2 yugi aru 41

6 rows selected.

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

Table altered.

SQL> desc dept;

Name Null? Type

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

STUDID NOT NULL NUMBER(3)

DEPT\_ID VARCHAR2(10)

SQL> insert into dept values(33,'bsc');

1 row created.

SQL> insert into dept values(30,'phy');

1 row created.

SQL> insert into dept values(20,'soc');

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

SQL> select\* from dept;

STUDID DEPT\_ID

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

33 bsc

30 phy

20 soc

4 politics

1 english

2 maths

6 rows selected.

SQL> update dept set dept\_id = 'phy' where studid=33;

1 row updated.

SQL> select\* from dept;

STUDID DEPT\_ID

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

33 phy

30 phy

20 soc

4 politics

1 english

2 maths

6 rows selected.

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

Table created.

SQL> desc contact;

Name Null? Type

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

STUDID NUMBER(2)

EMAIL VARCHAR2(30)

MOBILE NUMBER(10)

SQL> insert into contact values(33,'jay@gmail.com',9875673985);

1 row created.

SQL> insert into contact values(30,'ran@gmail.com',9364919556);

1 row created.

SQL> insert into contact values(20,'yuk@gmail.com',6249621621);

1 row created.

SQL> insert into contact values(4,'hari@gmail.com',6161651484);

1 row created.

SQL> insert into contact values(1,'abhi@gmail.com',9849841888);

1 row created.

SQL> insert into contact values(2,'yugi@gmail.com',7659532498);

1 row created.

SQL> select\* from contact;

STUDID EMAIL MOBILE

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

33 jay@gmail.com 9875673985

30 ran@gmail.com 9364919556

20 yuk@gmail.com 6249621621

4 hari@gmail.com 6161651484

1 abhi@gmail.com 9849841888

2 yugi@gmail.com 7659532498

6 rows selected.

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

Table altered.

SQL> desc contact;

Name Null? Type

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

STUDID NUMBER(2)

EMAIL VARCHAR2(30)

MOBILE NUMBER(10)

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

View created.

SQL> select\* from always;

SID FIRST\_NAME DEPT\_ID EMAIL

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

33 jay phy jay@gmail.com

30 ran phy ran@gmail.com

20 yuk soc yuk@gmail.com

4 hari politics hari@gmail.com

1 abhi english abhi@gmail.com

2 yugi maths yugi@gmail.com

6 rows selected.

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

View created.

SQL> select\* from v1;

STUDID EMAIL MOBILE

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

33 jay@gmail.com 9875673985

30 ran@gmail.com 9364919556

20 yuk@gmail.com 6249621621

4 hari@gmail.com 6161651484

1 abhi@gmail.com 9849841888

2 yugi@gmail.com 7659532498

6 rows selected.

SQL> update contact set mobile=1593574682 where studid=4;

1 row updated.

SQL> select\* from v1;

STUDID EMAIL MOBILE

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

33 jay@gmail.com 9875673985

30 ran@gmail.com 9364919556

20 yuk@gmail.com 6249621621

4 hari@gmail.com 1593574682

1 abhi@gmail.com 9849841888

2 yugi@gmail.com 7659532498

6 rows selected.

SQL> select\* from contact;

STUDID EMAIL MOBILE

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

33 jay@gmail.com 9875673985

30 ran@gmail.com 9364919556

20 yuk@gmail.com 6249621621

4 hari@gmail.com 1593574682

1 abhi@gmail.com 9849841888

2 yugi@gmail.com 7659532498

6 rows selected.

SQL> select \*from contact where s\_id=(select s\_id from contact where mobile=6249621621);

select \*from contact where s\_id=(select s\_id from contact where mobile=6249621621)

\*

ERROR at line 1:

ORA-00904: "S\_ID": invalid identifier

SQL> select \*from contact where studid=(select s\_id from contact where mobile=6249621621);

select \*from contact where studid=(select s\_id from contact where mobile=6249621621)

\*

ERROR at line 1:

ORA-00904: "S\_ID": invalid identifier

SQL> select\* from contact where studid=(select studid from contact where mobile=6249621621);

STUDID EMAIL MOBILE

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

20 yuk@gmail.com 6249621621