SQL> create table student2(studentid varchar2(7)primary key,firstname varchar2(10),lastname varchar2(10));

Table created.

SQL> alter table student2 add(age number(3));

Table altered.

SQL> insert into student2 values(1,'akash','kumar',10);

1 row created.

SQL> insert into student2 values(2,'maxwell','raj',15);

1 row created.

SQL> insert into student2 values(3,'suresh','tawera',25);

1 row created.

SQL> insert into student2 values(4,'cool','suresh',35);

1 row created.

SQL> insert into student2 values(5,'mardona','vel',45);

1 row created.

SQL> insert into student2 values(6,'chris','alex',55);

1 row created.

SQL> select\*from student2;

STUDENT FIRSTNAME LASTNAME AGE

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

1 akash kumar 10

2 maxwell raj 15

3 suresh tawera 25

4 cool suresh 35

5 mardona vel 45

6 chris alex 55

6 rows selected.

SQL> create table department(studentid varchar2(7),deptname varchar2(15));

Table created.

SQL> insert into department values(1,'cs');

1 row created.

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

1 row created.

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

1 row created.

SQL> insert into department values(4,'civil');

1 row created.

SQL> insert into department values(5,'civil');

1 row created.

SQL> insert into department values(6,'cs');

1 row created.

SQL> select\*from department;

STUDENT DEPTNAME

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

1 cs

2 maths

3 maths

4 civil

5 civil

6 cs

6 rows selected.

SQL> alter table department add(constraint dfk foreign key(studentid) references student2(studentid));

Table altered.

SQL> desc department

Name Null? Type

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STUDENTID VARCHAR2(7)

DEPTNAME VARCHAR2(15)

SQL> create table contact(studentid varchar2(7),email varchar2(15),mobile number(10));

Table created.

SQL> insert into contact values(1,'ram@gmail.com',8907856690);

1 row created.

SQL> delete from contact where studentid=1;

1 row deleted.

SQL> select\*from contact;

no rows selected

SQL> insert into contact values(1,'akash@gmail.com',8907856690);

1 row created.

SQL> insert into contact values(2,'max@gmail.com',9807856690);

1 row created.

SQL> insert into contact values(3,'tawe@gmail.com',7889856690);

1 row created.

SQL> insert into contact values(4,'cool@gmail.com',6870856690);

1 row created.

SQL> insert into contact values(5,'vel@gmail.com',9786970934);

1 row created.

SQL> insert into contact values(6,'alex@gmail.com',9088977689);

1 row created.

SQL> select\*from contact;

STUDENT EMAIL MOBILE

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

1 akash@gmail.com 8907856690

2 max@gmail.com 9807856690

3 tawe@gmail.com 7889856690

4 cool@gmail.com 6870856690

5 vel@gmail.com 9786970934

6 alex@gmail.com 9088977689

6 rows selected.

SQL> alter table contact add(constraint contf foreign key(studentid) references student2(studentid));

Table altered.

SQL> create view vs11 as select s.studentid,s.firstname,d.deptname,c.email from student2 s,department d,contact c where s.studentid=d.studentid and s.studentid=c.studentid;

View created.

SQL> select \* from vs11;

STUDENT FIRSTNAME DEPTNAME EMAIL

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

1 akash cs akash@gmail.com

2 maxwell maths max@gmail.com

3 suresh maths tawe@gmail.com

4 cool civil cool@gmail.com

5 mardona civil vel@gmail.com

6 chris cs alex@gmail.com

6 rows selected.

SQL> create view vs12 as select\*from contact;

View created.

SQL> select \* from vs12;

STUDENT EMAIL MOBILE

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

1 akash@gmail.com 8907856690

2 max@gmail.com 9807856690

3 tawe@gmail.com 7889856690

4 cool@gmail.com 6870856690

5 vel@gmail.com 9786970934

6 alex@gmail.com 9088977689

6 rows selected.

SQL> select \* from contact;

STUDENT EMAIL MOBILE

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

1 akash@gmail.com 8907856690

2 max@gmail.com 9807856690

3 tawe@gmail.com 7889856690

4 cool@gmail.com 6870856690

5 vel@gmail.com 9786970934

6 alex@gmail.com 9088977689

6 rows selected.

SQL> update vs12 set mobile=7896078960 where studentid=1;

1 row updated.

SQL> select\*from contact;

STUDENT EMAIL MOBILE

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1 akash@gmail.com 7896078960

2 max@gmail.com 9807856690

3 tawe@gmail.com 7889856690

4 cool@gmail.com 6870856690

5 vel@gmail.com 9786970934

6 alex@gmail.com 9088977689

6 rows selected.

SQL> select\*from vs12;

STUDENT EMAIL MOBILE

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

1 akash@gmail.com 7896078960

2 max@gmail.com 9807856690

3 tawe@gmail.com 7889856690

4 cool@gmail.com 6870856690

5 vel@gmail.com 9786970934

6 alex@gmail.com 9088977689

6 rows selected.

SQL> update contact set mobile=6789005678 where studentid=5;

1 row updated.

SQL> select\*from vs12;

STUDENT EMAIL MOBILE

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

1 akash@gmail.com 7896078960

2 max@gmail.com 9807856690

3 tawe@gmail.com 7889856690

4 cool@gmail.com 6870856690

5 vel@gmail.com 6789005678

6 alex@gmail.com 9088977689

6 rows selected.

SQL> select\*from contact;

STUDENT EMAIL MOBILE

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

1 akash@gmail.com 7896078960

2 max@gmail.com 9807856690

3 tawe@gmail.com 7889856690

4 cool@gmail.com 6870856690

5 vel@gmail.com 6789005678

6 alex@gmail.com 9088977689

6 rows selected.

SQL> select \* from contact where studentid=(select studentid from contact where mobile=7896078960);

STUDENT EMAIL MOBILE

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1. akash@gmail.com 7896078960

SQL> select email from contact where studentid=(select studentid from contact where mobile=7896078960);

EMAIL

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akash@gmail.com

SQL> select email,mobile from contact where studentid=(select studentid from contact where mobile=7896078960);

EMAIL MOBILE

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akash@gmail.com 7896078960

SQL> select \* from contact where studentid in (select studentid from contact where studentid=1 or studentid=3);

STUDENT EMAIL MOBILE

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1 akash@gmail.com 7896078960

3 tawe@gmail.com 7889856690

select \* from contact where studentid = (select studentid from contact where studentid=1 or studentid=3)

\*

ERROR at line 1:

ORA-01427: single-row subquery returns more than one row