

# SQL

```
SQL> create table student(sid number(3) primary  
key,firstname varchar2(10),lastname varchar2(10),sage  
number(3));
```

Table created.

```
SQL> create table department(deptname  
varchar2(10),sid number(3),deptid number(3));
```

Table created.

```
SQL> insert into student  
values(111,'vasanth','kumar',21);
```

1 row created.

```
SQL> insert into student values(112,'vignesh','kumar',21);
```

1 row created.

```
SQL> insert into student  
values(113,'deepak','dharshan',20);
```

1 row created.

```
SQL> insert into student values(114,'akash','joker',19);
```

1 row created.

```
SQL> insert into student values(115,'dev','anna',21);
```

1 row created.

```
SQL> insert into student  
values(116,'bharath','kumar',22);
```

1 row created.

```
SQL> select*from student;
```

SID	FIRSTNAME	LASTNAME	SAGE
111	vasanth	kumar	21
112	vignesh	kumar	21
113	deepak	dharshan	20
114	akash	joker	19
115	dev	anna	21
116	bharath	kumar	22

6 rows selected.

```
SQL> desc department
```

Name	Null?	Type
------	-------	------

-----		
----		

DEPTNAME		
VARCHAR2(10)		

ID		
NUMBER(3)		

DEPTID		
NUMBER(3)		

```
SQL> insert into department values('tamil',101,201);
```

```
1 row created.
```

```
SQL> insert into department values('social',102,202);
```

1 row created.

```
SQL> insert into department values('social',103,203);
```

1 row created.

```
SQL> insert into department values('physics',104,204);
```

1 row created.

```
SQL> insert into department values('physics',105,205);
```

1 row created.

```
SQL> insert into department values('cs',106,206);
```

1 row created.

```
SQL> alter table department add foreign key(id)
references student(id);
```

Table altered.

```
SQL> create table contact(id number(3),email
varchar2(15),mobile number(10));
```

Table created.

```
SQL> insert into contact
values(101,'abc111@gmail',9944772210);
```

1 row created.

```
SQL> insert into contact
values(102,'abc222@gmail',9944772211);
```

1 row created.

```
SQL> insert into contact  
values(103,'abc333@gmail',9944772212);
```

1 row created.

```
SQL> insert into contact  
values(104,'abc444@gmail',9944772213);
```

1 row created.

```
SQL> insert into contact  
values(105,'abc555@gmail',9944772214);
```

1 row created.

```
SQL> insert into contact
```

```
values(106,'abc666@gmail',9944772215);
```

1 row created.

```
SQL> select*from contact;
```

ID	EMAIL	MOBILE
101	abc111@gmail	9944772210
102	abc222@gmail	9944772211
103	abc333@gmail	9944772212
104	abc444@gmail	9944772213
105	abc555@gmail	9944772214
106	abc666@gmail	9944772215

6 rows selected.



```
SQL> alter table contact add foreign key(id) references  
student(id);
```

Table altered.

```
SQL> create view deepak as select  
s.sid,s.firstname,d.deptname,c.email from student  
s,department d, contact c where s.sid=d.sid and  
s.sid=c.sid;
```

View created.

```
SQL> select*from deepak;
```

SID	FIRSTNAME	DEPTNAME	EMAIL
101	vasanth	tamil	abc111@gmail

102 vignesh	Social	abc222@gmail
103 deepak	Social	abc333@gmail
104 akash	physics	abc444@gmail
105 dev	physics	abc555@gmail
106 bharath	cs	abc666@gmail

6 rows selected.

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

View created.

SQL> select\*from vcon;

SID EMAIL	MOBILE
-----	
101 abc111@gmail	9944772210

102 abc222@gmail	9944772211
103 abc333@gmail	9944772212
104 abc444@gmail	9944772213
105 abc555@gmail	9944772214
106 abc666@gmail	9944772215

6 rows selected.

SQL> update vcon set mobile=1234567890 where  
id=101;

1 row updated.

SQL> select\*from contact;

SID EMAIL

MOBILE

-----

101 abc111@gmail	1234567890
102 abc222@gmail	9944772211
103 abc333@gmail	9944772212
104 abc444@gmail	9944772213
105 abc555@gmail	9944772214
106 abc666@gmail	9944772215

6 rows selected.

SQL> select\*from vcon;

ID EMAIL	MOBILE
101 abc111@gmail	1234567890
102 abc222@gmail	9944772211
103 abc333@gmail	9944772212
104 abc444@gmail	9944772213

105 abc555@gmail	9944772214
------------------	------------

106 abc666@gmail	9944772215
------------------	------------

6 rows selected.

SQL> update contact set mobile=0987654321 where  
sid=102;

1 row updated.

SQL> select\*from contact;

SID EMAIL	MOBILE
-----	
101 abc111@gmail	1234567890
102 abc222@gmail	987654321
103 abc333@gmail	9944772212

104 abc444@gmail	9944772213
105 abc555@gmail	9944772214
106 abc666@gmail	9944772215

6 rows selected.

SQL> select\*from vcon;

ID EMAIL	MOBILE
-----	
101 abc111@gmail	1234567890
102 abc222@gmail	987654321
103 abc333@gmail	9944772212
104 abc444@gmail	9944772213
105 abc555@gmail	9944772214
106 abc666@gmail	9944772215

6 rows selected.