**Ques 2.**

**mysql> create database cs\_student;**

**mysql> create table personal\_informartion(**

**-> Roll\_no int(10) primary key,**

**-> Name char(30) not null,**

**-> DOB date not null,**

**-> Address varchar(70) not null,**

**-> Marks\_in\_12th int(2) not null,**

**-> Phone\_number Varchar(10) not null);**

**mysql> create table Paper\_Details(**

**-> Paper\_Code int(4) primary key,**

**-> NameofPaper char(30) unique);**

**mysql> create table Academic\_Details(**

**-> Roll\_no int(10) primary key,**

**-> Paper\_code int(4) not null,**

**-> Attendence int(3) not null,**

**-> Marks int(3) not null,**

**-> foreign key(roll\_no) references personal\_informartion(roll\_no),**

**-> foreign key(paper\_code) references Paper\_details(paper\_code));**

**(a) Primary key - Roll\_no in table personal\_informartion**

**Paper\_code in table Paper\_details**

**Foreign key - Roll\_no in table Academic\_Details**

**Paper\_code in table Academic\_Details**

**mysql> insert into personal\_informartion values(1240,"Vinay Kumar Singh",'2001-01-04',"UP",91,9102829875);**

**mysql> insert into personal\_informartion values(1233,"Rohit Tiwari",'2001-04-29',"Uttarakhand",89,9748483743);**

**mysql> insert into personal\_informartion values(1204,"Ankit",'2000-03-19',"Delhi",94,9837643368);**

**mysql> insert into personal\_informartion values(1225,"Mohammad Mujtaba",'2001-09-21',"Uttar Pradesh",97,9637453672);**

**mysql> insert into personal\_informartion values(1223,"Likhit Giri",'2001-11-09',"Delhi",92,9764563726);**

**mysql> insert into paper\_details value(1,"Descriptive Statistics");**

**mysql> insert into paper\_details value(2,"Environmental Studies");**

**mysql> insert into paper\_details value(3,"Algebra");**

**mysql> insert into paper\_details value(4,"Introduction to Matrices");**

**mysql> insert into paper\_details value(5,"Database management system");**

**mysql> insert into Academic\_details values(1240,2,80,70);**

**mysql> insert into Academic\_details values(1233,2,70,90);**

**mysql> insert into Academic\_details values(1204,2,65,91);**

**mysql> insert into Academic\_details values(1225,2,65,91);**

**mysql> insert into Academic\_details values(1223,1,75,65);**

**(b) mysql> select pd.paper\_code, pd.nameofpaper, pi.name from paper\_details as pd, personal\_informartion as pi where paper\_code=2 and pi.roll\_no in(select roll\_no from academic\_details where paper\_code=2 and attendence>75 and marks>60);**

**(c) mysql> select name from personal\_informartion as pi, academic\_details as ad where pi.roll\_no=ad.roll\_no and ad.marks>60 and ad.paper\_code=1;**

**(d) mysql> select pi.name, ad.attendence, ad.marks from personal\_informartion as pi, academic\_details as ad where pi.roll\_no=ad.roll\_no;**

**(e) mysql> select name from personal\_informartion as pi, academic\_details as ad where pi.roll\_no=ad.roll\_no and pi.roll\_no=(select roll\_no from academic\_details where marks=(select max(marks) from academic\_details));**