Q2.

mysql> create database student;

mysql> create table personal\_informartion(

-> Croll\_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,

-> P\_number Varchar(10) not null);

mysql> create table Paper\_Details(

-> Pcode int(4) primary key,

-> Pname char(30) unique);

mysql> create table Academic\_Details(

-> Croll\_no int(10) primary key,

-> Pcode 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));

Q (a) Primary key - Croll\_no in table personal\_informartion

Pcode in table Paper\_details

Foreign key - Croll\_no in table Academic\_Details

Pcode in table Academic\_Details

mysql> insert into personal\_informartion values(1201,"Abhishek",'2000-05-04',"lucknow",90,9109875345);

mysql> insert into personal\_informartion values(1202,"Bharti",'2001-04-19',"kerela",79,9231467893);

mysql> insert into personal\_informartion values(1203,"Chetna",'2001-08-29',"Delhi",92,9098345672);

mysql> insert into personal\_informartion values(1204,"Dharmesh",'2001-10-21',"punjab",89,8876235619);

mysql> insert into personal\_informartion values(1205,"Faizal",'2001-12-19',"Delhi",96,9810558183);

mysql> insert into paper\_details value(001,"programming in python");

mysql> insert into paper\_details value(002,"environmental studies");

mysql> insert into paper\_details value(003,"maths");

mysql> insert into paper\_details value(004,"database management sysytem");

mysql> insert into paper\_details value(005,"algebra");

mysql> insert into Academic\_details values(1201,002,60,60);

mysql> insert into Academic\_details values(1202,001,40,40);

mysql> insert into Academic\_details values(1204,002,95,81);

mysql> insert into Academic\_details values(1204,003,55,81);

mysql> insert into Academic\_details values(1203,001,85,75);

Q(b) mysql> select pd.pcode, pd.pname, p.name from paper\_details as pd, personal\_information as pi where pcode =2 and p.croll\_no in(select croll\_no from acadmeic\_details where pcode = 2 and attendance>75 and marks>60);

Q (c) mysql> select name from personal\_informartion as p, academic\_details as a where p.croll\_no=a.croll\_no and a.marks>60 and a.pcode=001;

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

Q (e) mysql> select name from personal\_informartion as p, academic\_details as a where p.croll\_no=a.croll\_no and pi.croll\_no=(select croll\_no from academic\_details where marks=(select max(marks) from academic\_details));