Q.2)

mysql> create database cs\_student;

mysql> use cs\_student;

mysql> create table personal\_information(

-> Roll\_no int(8) primary key,

-> Name char(30) not null,

-> DOB date not null,

-> Address varchar(100) not null,

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

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

mysql> create table Paper\_Details(

-> Paper\_Code int(6) primary key,

-> NameofPaper char(30) unique);

mysql> create table Academic\_Details(

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

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

-> Attendance int(3) not null,

-> Marks int(3) not null,

-> foreign key(roll\_no) references personal\_information(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\_information values(1200,"Akansha Mesharam", '2001-01-04',"Nagpur",99,91028675789);

mysql> insert into personal\_information values(1201,"Isha Kanwar", '2002-04-30’,"Delhi",90,9748485678);

mysql> insert into personal\_information values(1209,"Preeti Arora", '2000-08-19',"Delhi",95,9837643368);

mysql> insert into personal\_information values(1216,"Isha Arora",'2001-10-03’,"Bhopal”,97,8665847672);

mysql> insert into personal\_information values(1208,"Archana Das”,'2001-11-09', "Delhi",88,9764563726);

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

mysql> insert into paper\_details value(2,"EVS");

mysql> insert into paper\_details value(3,"English Communication");

mysql> insert into paper\_details value(4,"AECC");

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

mysql> insert into Academic\_details values(1200,2,80,70);

mysql> insert into Academic\_details values(1201,2,70,90);

mysql> insert into Academic\_details values(1209,2,65,91);

mysql> insert into Academic\_details values(1216,2,65,91);

mysql> insert into Academic\_details values(1208,,1,75,65);

(b)

mysql> select p.paper\_code, p.nameofpaper, pi.name from paper\_details as p, personal\_information 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\_information as pi, academic\_details as ad where pi.roll\_no=ad.roll\_no and ad.marks>60 and ad.paper\_code=1 and pi.Address="Delhi";

(d)

mysql> select pi.name, ad.attendence, ad.marks from personal\_information as pi, academic\_details as ad where pi.roll\_no=ad.roll\_no;

(e)

mysql> select name from personal\_information 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));