Q.4)

mysql> create database employee\_details;

mysql> use employee\_details;

mysql> create table employee(

-> Person\_name char(30) primary key,

-> Street char(30) not null,

-> city char(15) not null);

mysql> create table Company(

-> Company\_name varchar(30) Primary key,

-> City char(15));

mysql> create table Works(

-> Person\_name char(30),

-> Company\_name varchar(30),

-> Salary decimal(10,2),

-> foreign key(Person\_name) references employee(Person\_name),

-> foreign key(Company\_name) references Company(Company\_name));

mysql> Create table manages(

-> Person\_name char(30),

-> Manager\_name char(30),

-> foreign key(Person\_name) references employee(Person\_name));

mysql> insert into employee values("Rashmi","23/34 B block","Delhi");

mysql> insert into employee values("Teena","454/4 V block","Gurgaon");

mysql> insert into employee values("Ananya","65/6 A block","Gurgaon");

mysql> insert into employee values("Kritika","87/2 D block","Lucknow");

mysql> insert into employee values("Gaurav","74/2 F block","Gaziabad");

mysql> insert into employee values("Saurav","54/2 G block","Noida");

mysql> insert into employee values("Kashish","347-5 A block","Noida");

mysql> insert into employee values("Pawan","65/8 V block","Gurgaon");

mysql> insert into employee values("Nikhil","62/7 d block","Sitapur");

mysql> insert into employee values("Neha","91/8 C block","Gaziabad");

mysql> insert into company values("Samba Bank","Delhi");

mysql> insert into company values("NCB Bank","Gurgaon");

mysql> insert into company values("Axis Bank","Noida");

mysql> insert into company values("SBI bank","Lucknow");

mysql> insert into company values("Kotak Bank","Gaziabad");

mysql> insert into works values("Rashmi","Samba Bank", 20000);

mysql> insert into works values("Teena","NCB Bank",15000);

mysql> insert into works values("Ananya","Samba Bank",5000);

mysql> insert into works values("Kritika","SBI Bank",8000);

mysql> insert into works values("Gaurav","Axis Bank",10000);

mysql> insert into works values("Saurav","NCB Bank",20000);

mysql> insert into works values("Kashish","Kotak Bank",15000);

mysql> insert into works values("Pawan","Axis Bank",20000);

mysql> insert into works values("Nikhil","SBI Bank",12000);

mysql> insert into works values("Neha","Kotak Bank",18000);

mysql> insert into manages values("Rashmi","Arun Kumar");

mysql> insert into manages values("Teena","Arun Kumar");

mysql> insert into manages values("Nikhil","Vijay Singh");

mysql> insert into manages values("Neha","Raghuvir Bora");

mysql> insert into manages values("Pawan","Shikha Chandola");

(a)

Primary Key- Person\_name in table employee

Company\_name in table company

Foreign Key- Person\_name in table works

Company\_name in table works

Person\_name in table manages

(b)

mysql> alter table employee add column email varchar(20);

(C)

mysql> select distinct(manager\_name) from manages as m, works as w where m.person\_name=w.person\_name and (w.company\_name="Samba bank" or w.Company\_name="NCB Bank");

(d)

mysql> select e.Person\_name, e.Street, e.City, w.salary from employee as e, works as w where e.person\_name=w.person\_name and w.company\_name="Samba Bank" and w.salary>10000;

(e)

mysql> select e.person\_name from employee as e, works as w, company as c where e.person\_name=w.person\_name and e.city=c.city and w.company\_name=c.company\_name;

(f)

mysql> select company\_name, max(salary), min(salary), avg(salary) from works group by company\_name;

(g)

mysql> select company\_name, sum(salary), count(company\_name) as "number of employees" from works group by company\_name;

(h)

mysql> select company\_name,max(salary) from works;