**Ques 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("Vinay","23/34 B block","Gorakhpur");**

**mysql> insert into employee values("Gaurav","454/4 V block","Lucknow");**

**mysql> insert into employee values("Rahul","65/6 A block","Delhi");**

**mysql> insert into employee values("Jatin","87/2 D block","Noida");**

**mysql> insert into employee values("Garima","74/2 F block","Banglore");**

**mysql> insert into employee values("Suresh","54/2 G block","Lucknow");**

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

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

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

**mysql> insert into employee values("Nupur","91/8 C block","Banglore");**

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

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

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

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

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

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

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

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

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

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

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

**mysql> insert into works values("Kapil","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("Nupur","Kotak Bank",18000);**

**(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;**