Q4

4. mysql> create database employee\_detail;

mysql> use employee\_detail;

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("manish","5/3 C block","FARIDABAD");

mysql> insert into employee values("Tanishq","34/45 D block","MURADABAD");

mysql> insert into employee values("chirag","63/66 T block","BHWAANA");

mysql> insert into employee values("gautam","3/25 F block","DELHI");

mysql> insert into employee values("shaurya","7/223 E block","Gaziabad");

mysql> insert into employee values("arsh","56/22 N block","Noida");

mysql> insert into employee values("honey","39/56 W block","KARKARDUMA");

mysql> insert into employee values("aryan","23/45 A block","GAZIABAD");

mysql> insert into employee values("priya","6/4 B block","JANAKPURI");

mysql> insert into employee values("ranit","9/90 C block","Gaziabad");

mysql> insert into company values("ICICI BANK","FARIDABAD");

mysql> insert into company values("samba BANK","Gurgaon");

mysql> insert into company values("HDFC BANK","DELHI");

mysql> insert into company values("ncb BANK","GURGAON");

mysql> insert into company values("kotak BANK","LUCKNOW");

mysql> insert into works values("MANISH","hdfc Bank", 20000);

mysql> insert into works values("HONEY","icici Bank",15000);

mysql> insert into works values("Ranit","ncb Bank",5000);

mysql> insert into works values("gautam","samba Bank",8000);

mysql> insert into works values("shaurya","kotak Bank",10000);

mysql> insert into works values("arsh","ncb Bank",20000);

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

mysql> insert into works values("aryan","icici Bank",20000);

mysql> insert into works values("chirag","hdfc Bank",12000);

mysql> insert into works values("tanishq","ncb Bank",18000);

mysql> insert into manages values("ranit","manish mallotra");

mysql> insert into manages values("gautam","raghuvanshi");

mysql> insert into manages values("chirag","ranjeet singh");

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

mysql> insert into manages values("arsh","raguvanshi");

Q (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

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

Q (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");

Q (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;

Q (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;

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

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

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