Q #4

(This question is done in word)

create database employees;

use employess;

create table employee(

person\_name varchar(50) primary key,

street varchar(50),

city varchar(50));

create table company (

company\_name varchar(50) primary key,

city varchar(50));

create table works(

person\_name varchar(50),

company\_name varchar(50),

salary decimal(10,3),

foreign key (person\_name) references employee(person\_name) on delete cascade,

foreign key(company\_name) references company(company\_name) on delete cascade);

create table manages(

person\_name varchar(50),

manager\_name varchar(50),

foreign key (person\_name) references employee(person\_name) on delete cascade);

insert into employees values

(‘Helen’,’23 Hudson’,’Delhi’),

(‘Harry’,’24 Milton’, ‘Dehradun’),

(‘Henry’, ’24 Lane’,’Delhi’),

(‘John’, ’12 Lane’,’Delhi’),

(‘jake’,’1 Hudson’,’Gurgaon’));

Insert into company values

(‘Samba Bank’,’Delhi’),

(‘Axis Bank’,’Kerala’),

(‘SBI Bank’,’Delhi’),

(‘NCB bank’,’Noida’),

(‘Samba Bank’,’Gurgaon’);

Insert into works values

(‘Henry’,’Samba bank’,200000),

(‘Helen’,’Axis Bank’,’500000,

(‘Harry’ ,’NCB bank’, 3400000),

(‘John’, ‘Axis bank’, 45000),

(‘Jake’,’NCB bank’,450000);

Insert into manages values

(‘Henry’,’Tina’),

(‘Harry’,’John’),

(‘Helen’,’ Alan’),

(‘John’, ‘Daisy’),

(‘Jake’,’Jake’);

1. primary key: person\_name in table employee, company\_name in table company

foreign key: person\_name from table works, company\_table in table works, person\_name in table manages

1. alter table employee

add column email varchar(20);

1. select distinct(manager\_name) from manages m, works w where m.person\_name=w.person\_name and (w.company\_name="Samba bank" or w.Company\_name="NCB Bank");
2. select e.person\_name, e.street, e.city, w.salary from employee e, works w where e.person\_name=w.person\_name and w.company\_name="Samba Bank" and w.salary>10000;
3. select e.person\_name from employee e, works w, company c where e.person\_name=w.person\_name and e.city=c.city and w.company\_name=c.company\_name;
4. select company\_name, max(salary), min(salary), avg(salary) from works

group by company\_name;

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

max(salary) from works;