**Week -11:**

SQL> create table **employee100** (

2 person\_name varchar(20) primary key,

3 street varchar(20),

4 city varchar(20)

5 );

Table created.

SQL> create table **company**(

2 company\_name varchar(20) primary key,

3 city varchar(20)

4 );

Table created.

SQL> create table **works**(

2 person\_name varchar(20),

3 company\_name varchar(20),

4 salary number(10,2),

5 primary key (person\_name,company\_name),

6 foreign key (person\_name) references employee100(person\_name),

7 foreign key (company\_name) references company(company\_name)

8 );

Table created.

SQL> create table **manages**(

2 person\_name varchar(20),

3 manager\_name varchar(20),

4 primary key (person\_name,manager\_name),

5 foreign key (person\_name) references employee100(person\_name),

6 foreign key (manager\_name) references employee100(person\_name)

7 );

Table created.

**51. Identify primary and foreign keys and create tables**

Desc **Employee100;**

Desc **Works;**

Desc **Company;**

Desc **Manages;**

**52.Insert at least 5 records**

**SQL> insert into employee100 values ('Neha','A street','A city');**

**1 row created.**

**SQL> insert into employee100 values ('Reesha','B street','B city');**

**1 row created.**

**SQL> insert into employee100 values ('Riika','C street','C city');**

**1 row created.**

**SQL> insert into employee100 values ('Ritu','C street','C city');**

**1 row created.**

**SQL> insert into employee100 values ('Ryan','A street','A city');**

**1 row created.**

**SQL> insert into company values('First Bank Copr','A city');**

**1 row created.**

**SQL> insert into company values('Small Bank Copr','B city');**

**1 row created.**

**SQL> insert into company values('No Bank Copr','C city');**

**1 row created.**

**SQL> insert into company values('Yes Bank Copr','A city');**

**1 row created.**

**SQL> insert into company values('More Bank Copr','B city');**

**1 row created.**

**SQL> insert into works values('Neha','First Bank Copr',40000);**

**1 row created.**

**SQL> insert into works values('Reesha','Small Bank Copr',30000);**

**1 row created.**

**SQL> insert into works values('Riika','No Bank Copr',35000);**

**1 row created.**

**SQL> insert into works values('Ritu','Small Bank Copr',25000);**

**1 row created.**

**SQL> insert into works values('Ryan','First Bank Copr',15000);**

**1 row created.**

**SQL> insert into manages values('Neha','Ryan');**

**1 row created.**

**SQL> insert into manages values('Reesha','Ritu');**

1. **row created.**

**53.Alter table employee, add a column “email” of type varchar(20).**

**SQL> alter table employee100 add**

**2 (email varchar2(10));**

**Table altered.**

**54. Find the name of all managers who work for both Samba Bank and NCB Bank.**

**SQL> select \* from works where company\_name='Samba Bank' and company\_name='NCB Bank';**

**no rows selected**

**55. Find the names, street address and cities of residence and salary of all employees who work for “Samba Bank” and earn more than $10,000.**

**SQL> select e.person\_name,e.street,e.city,w.salary from employee100 e,works w where w.company\_name='Samba Bank' and w.sa**

**lary>10000;**

**no rows selected**