6.employee (employee-name, street, city), works (employee-name, company-name, salary), company (companyname, city), manages (employee-name, manager-name)

1. Create above tables and insert 5 rows in each table.

2. List employees from ‘First Bank Corporation’ that earn salary more than all employees of ‘Small Bank Corporation’.

3. Create a view that will display employee details along with name of his/her manager.

4. Display employee details that live in cities Pune, Mumbai, and Nasik.

5. Give employees of ‘First Bank Corporation’ 15% rise if salary is less than 20000.

create table employee(emp\_name VARCHAR(100),street VARCHAR(100) ,city VARCHAR(100));

create table work(name VARCHAR(100),company VARCHAR(100),salary int);

create table company(cname VARCHAR(100),city VARCHAR(100));

create table manages(name VARCHAR(100),manager VARCHAR(100));

insert into employee values('Rohit','Pimpri','Pune');

insert into work values('Rohit','SKF',20000);

INSERT INTO COMPANY VALUES('SKF','Pune');

insert into manages values('Rohit','Tejas');

insert into employee values('Rahul','akurdi','Mumbai');

insert into work values('Rahul','First Bank Corporation',20500);

INSERT INTO COMPANY VALUES('First Bank Corporation','Mumbai');

insert into manages values('Rahul','Rohit');

insert into employee values('Pittu','AKURDI','Pune');

insert into work values('Pittu','Small

Bank Corporation',5000);

INSERT INTO COMPANY VALUES('Small

Bank Corporation','Pune');

insert into manages values('Pittu','Raj');

select \* from employee where city='Pune' or city='Mumbai' or city='Nashik';

select name from work where COMPANY='First Bank Corporation' and salary > (select max(salary) from work where

company='Small

Bank Corporation');

create view my as select emp\_name,street,city,manager from employee join manages on

emp\_name = manages.name;

SELECT \* FROM MY;

update work SET salary=(1.15\*salary) where company='First Bank Corporation' and salary<20000;

Alternate code

-- Creating employee table

CREATE TABLE employee (

employee\_name VARCHAR2(50) PRIMARY KEY,

street VARCHAR2(100),

city VARCHAR2(50)

);

-- Creating company table

CREATE TABLE company (

company\_name VARCHAR2(50) PRIMARY KEY,

city VARCHAR2(50)

);

-- Creating works table (with foreign keys to employee and company)

CREATE TABLE works (

employee\_name VARCHAR2(50),

company\_name VARCHAR2(50),

salary INT,

PRIMARY KEY (employee\_name, company\_name),

FOREIGN KEY (employee\_name) REFERENCES employee(employee\_name),

FOREIGN KEY (company\_name) REFERENCES company(company\_name)

);

-- Creating manages table (with foreign key referencing employee)

CREATE TABLE manages (

employee\_name VARCHAR2(50),

manager\_name VARCHAR2(50),

PRIMARY KEY (employee\_name),

FOREIGN KEY (employee\_name) REFERENCES employee(employee\_name),

FOREIGN KEY (manager\_name) REFERENCES employee(employee\_name)

);

-- Inserting data into employee table

INSERT INTO employee (employee\_name, street, city)

VALUES ('John Doe', '123 Elm St', 'Pune');

INSERT INTO employee (employee\_name, street, city)

VALUES ('Jane Smith', '456 Oak St', 'Mumbai');

INSERT INTO employee (employee\_name, street, city)

VALUES ('Alice Johnson', '789 Pine St', 'Nasik');

INSERT INTO employee (employee\_name, street, city)

VALUES ('Bob Brown', '101 Maple St', 'Pune');

INSERT INTO employee (employee\_name, street, city)

VALUES ('Charlie White', '202 Birch St', 'Mumbai');

-- Inserting data into company table

INSERT INTO company (company\_name, city)

VALUES ('First Bank Corporation', 'Pune');

INSERT INTO company (company\_name, city)

VALUES ('Small Bank Corporation', 'Mumbai');

INSERT INTO company (company\_name, city)

VALUES ('Tech Solutions', 'Nasik');

INSERT INTO company (company\_name, city)

VALUES ('Retail World', 'Pune');

INSERT INTO company (company\_name, city)

VALUES ('Global Enterprises', 'Mumbai');

-- Inserting data into works table

INSERT INTO works (employee\_name, company\_name, salary)

VALUES ('John Doe', 'First Bank Corporation', 15000);

INSERT INTO works (employee\_name, company\_name, salary)

VALUES ('Jane Smith', 'Small Bank Corporation', 12000);

INSERT INTO works (employee\_name, company\_name, salary)

VALUES ('Alice Johnson', 'First Bank Corporation', 18000);

INSERT INTO works (employee\_name, company\_name, salary)

VALUES ('Bob Brown', 'Small Bank Corporation', 11000);

INSERT INTO works (employee\_name, company\_name, salary)

VALUES ('Charlie White', 'Tech Solutions', 25000);

-- Inserting data into manages table

INSERT INTO manages (employee\_name, manager\_name)

VALUES ('John Doe', 'Alice Johnson');

INSERT INTO manages (employee\_name, manager\_name)

VALUES ('Jane Smith', 'Bob Brown');

INSERT INTO manages (employee\_name, manager\_name)

VALUES ('Alice Johnson', 'Charlie White');

INSERT INTO manages (employee\_name, manager\_name)

VALUES ('Bob Brown', 'John Doe');

INSERT INTO manages (employee\_name, manager\_name)

VALUES ('Charlie White', 'Jane Smith');

SELECT e.employee\_name

FROM works w

JOIN employee e ON w.employee\_name = e.employee\_name

WHERE w.company\_name = 'First Bank Corporation'

AND w.salary > ALL (

SELECT salary

FROM works

WHERE company\_name = 'Small Bank Corporation'

);

CREATE VIEW employee\_manager\_details AS

SELECT

e.employee\_name,

e.street,

e.city,

m.manager\_name

FROM employee e

JOIN manages m ON e.employee\_name = m.employee\_name;

SELECT \*

FROM employee

WHERE city IN ('Pune', 'Mumbai', 'Nasik');

UPDATE works

SET salary = salary \* 1.15

WHERE company\_name = 'First Bank Corporation'

AND salary < 20000;