**EXP 2 EMPLOYEE DATABASE**

**Aim:**

Consider the employee database given below

**emp** (emp\_id,emp\_name, Street\_No, city)

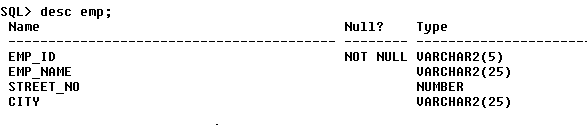
**works** (emp\_id, company name, salary)

**company** (company name, city)

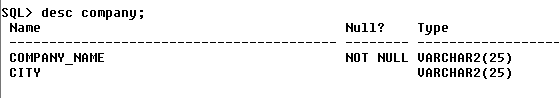
**manages** (emp\_id, manager\_id)+

**Note: Emp\_id should start with ‘E’ in Emp table and emp\_id in works table must be the emp\_id from emp table .emp\_id and manager\_id in manages table must be the emp\_id from emp table**

create table emp(emp\_id varchar(5) check(emp\_id like 'E%') primary key,emp\_name varchar(25),street\_no number, city varchar(25));



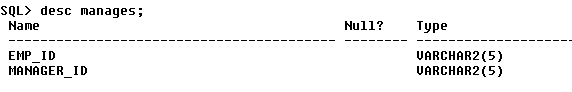
create table company(company\_name varchar(25) primary key, city varchar(25));

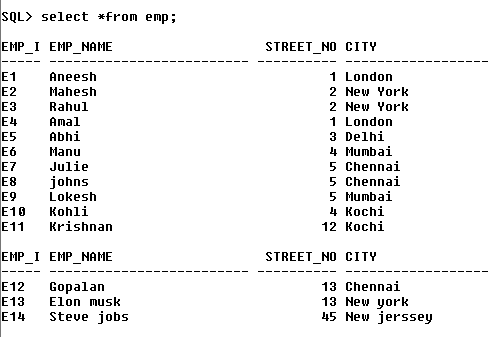
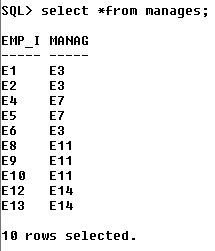


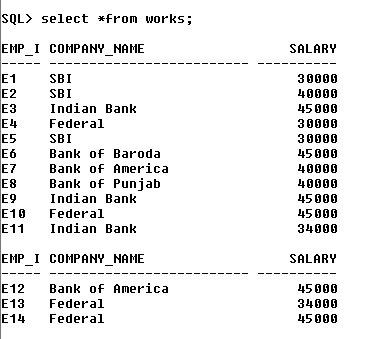
create table works(emp\_id varchar(5) REFERENCES emp (emp\_id), company\_name varchar(25) REFERENCES company(company\_name),salary number);

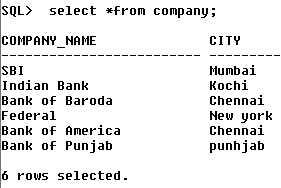


create table manages(emp\_id varchar(5) REFERENCES emp(emp\_id),manager\_id varchar(5) REFERENCES emp(emp\_id));



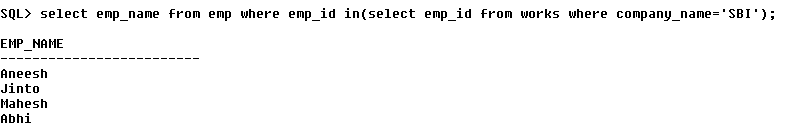






1. Find the names of all employees who work for SBI

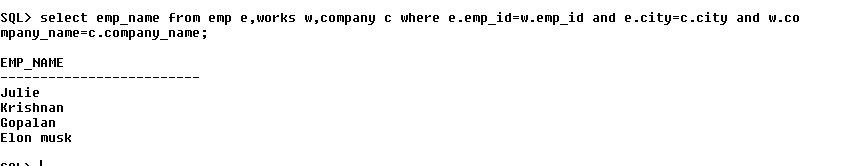
select emp\_name from emp inner join works on emp.emp\_id = works.emp\_id where company\_name='SBI';



b. Find all employees in the database who live in the same cities as the companies for

which they work.

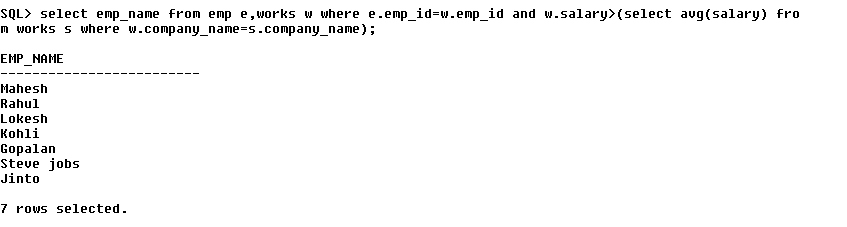
select emp\_name from emp e,works w,company c where e.emp\_id=w.emp\_id and e.city=c.city and w.company\_name=c.company\_name;



c. Find all employees who earn more than the average salary of all employees of their

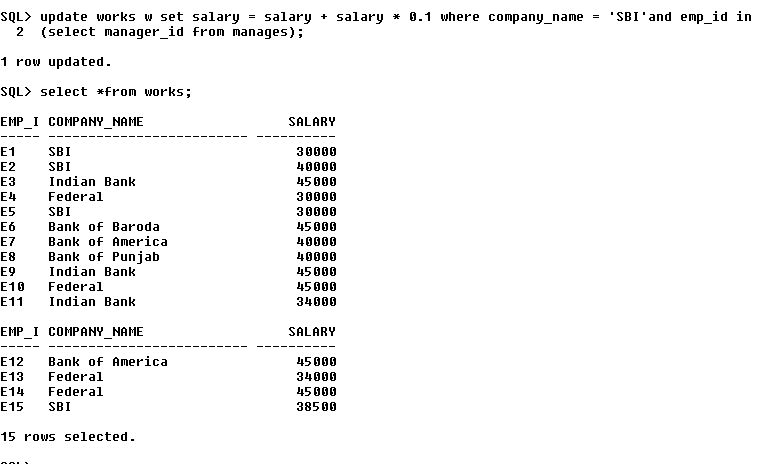
company.

select emp\_name from emp e,works w where e.emp\_id=w.emp\_id and w.salary>(select avg(salary) from works s where w.company\_name=s.company\_name);

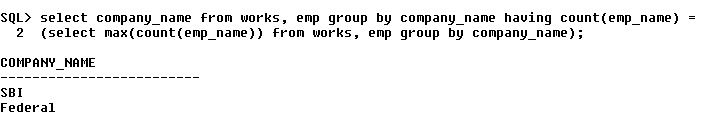


d. Give all managers of SBI a 10 percent raise.

update works w set salary=salary+salary\*0.1 where company\_name='sbi' and emp\_id in(select manager\_id from manages);

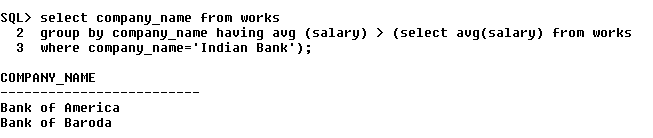


e. Find the company that has the most employees



f. Find those companies whose employees earn a higher salary, on average than the

average salary at Indian Bank.



g. Query to find name and salary of all employees who earn more than each employee

of ‘Indian Bank’.

