**EXP 2 EMPLOYEE DATABASE**

**Aim:**

Consider the employee database given below

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

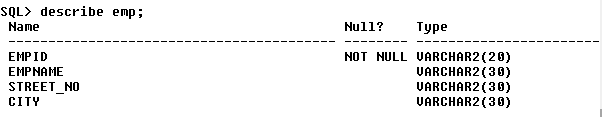
**works** (emp\_id, company name, salary)

**company** (company name, city)

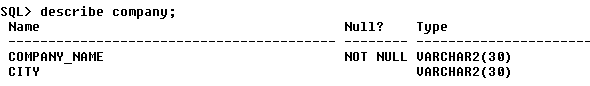
**manages** (emp\_id, manager\_id)

**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**

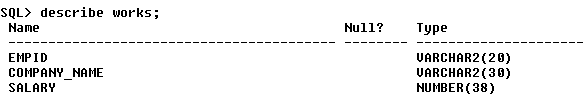
create table emp(empid varchar(20) primary key check(empid like 'e%'),empname varchar(30),Street\_no varchar(30),city varchar(30));



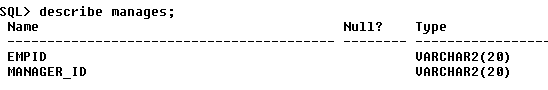
create table company(company\_name varchar(30) primary key,city varchar(30));



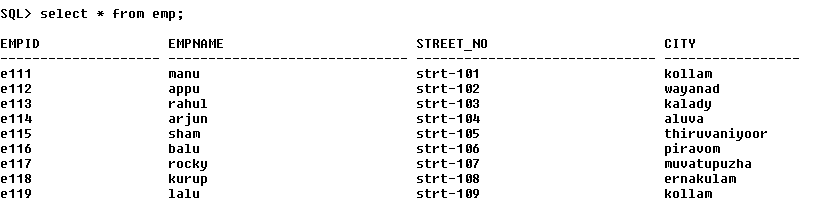
create table works(empid varchar(20) references emp(empid),company\_name varchar(30) references company(company\_name),salary int);



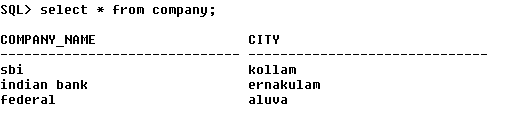
create table manages(empid varchar(20) references emp(empid),manager\_id varchar(20) references emp(empid));



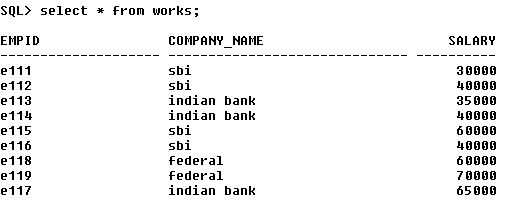
**Emp table**



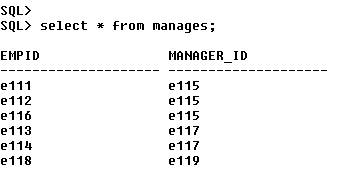
**Company table**



**Works table**

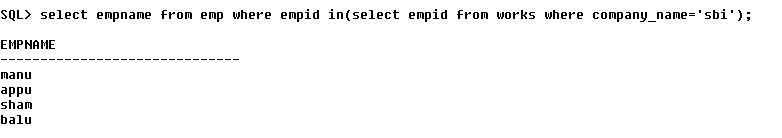


**Manages table**



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

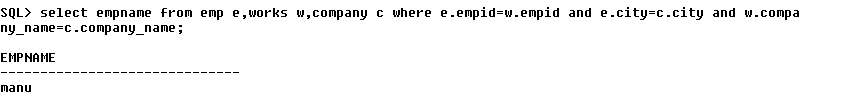
select empname from emp where empid in(select empid from works where company\_name='sbi');



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

which they work.

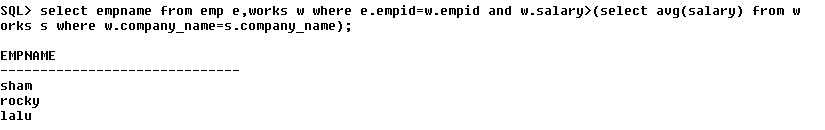
select empname from emp e,works w,company c where e.empid=w.empid and e.city=c.city and w.company\_name=c.company\_name;



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

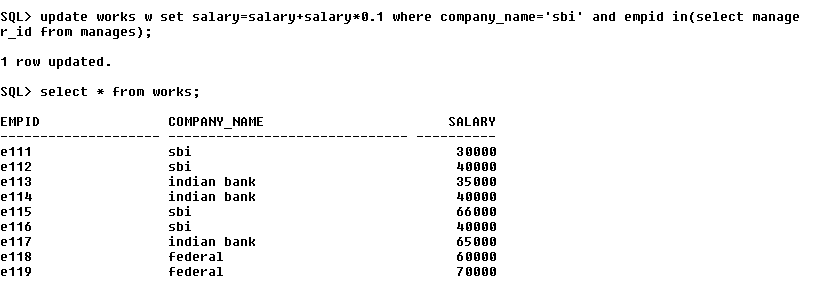
company.

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



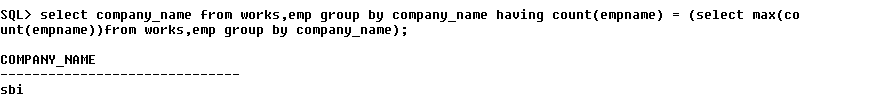
d. Give all managers of SBI a 10 percent raise.

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



e. Find the company that has the most employees

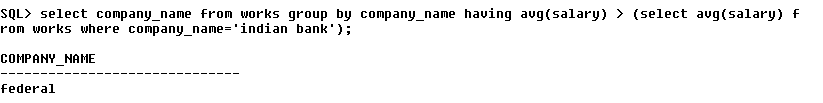
select company\_name from works,emp group by company\_name having count(empname) = (select max(count(empname))from works,emp group by company\_name);



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

average salary at Indian Bank.

select company\_name from works group by company\_name having avg(salary) > (select avg(salary) from works where company\_name='indian bank');



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

of ‘Indian Bank’