**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.**

**EMP TABLE**

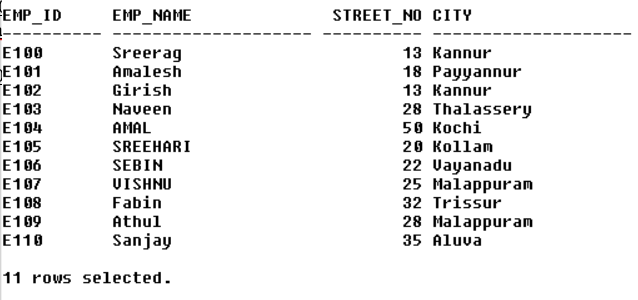
create table emp(emp\_id varchar(20) primary key check(emp\_id like 'E%'),emp\_name varchar(30),street\_no int,city varchar(20));

insert into emp values('E104','AMAL’,50, 'Kochi');

insert into emp values('E105',’SREEHARI’ ,50,’’);

insert into emp values('E106',’SEBIN’ ,50,’’);

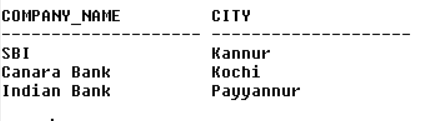
insert into emp values('E107',’VISHNU ‘,50,’’);



**COMPANY TABLE**

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

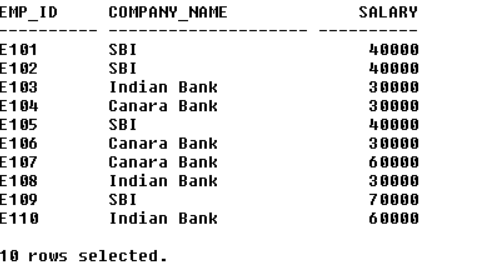
insert into company values ('SBI','Kochi');



**WORKS TABLE**

create table works(emp\_id varchar(20) references emp(emp\_id),company\_name varchar(25) references company(company\_name),salary int);

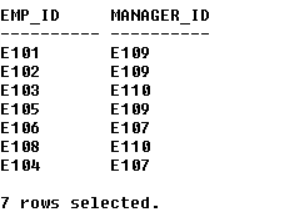
insert into works values ('E101','SBI',40000);



**MANGES TABLE**

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

insert into manages values ('E101','E109');



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

select emp\_name from emp where emp\_id in(select emp\_id 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 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;



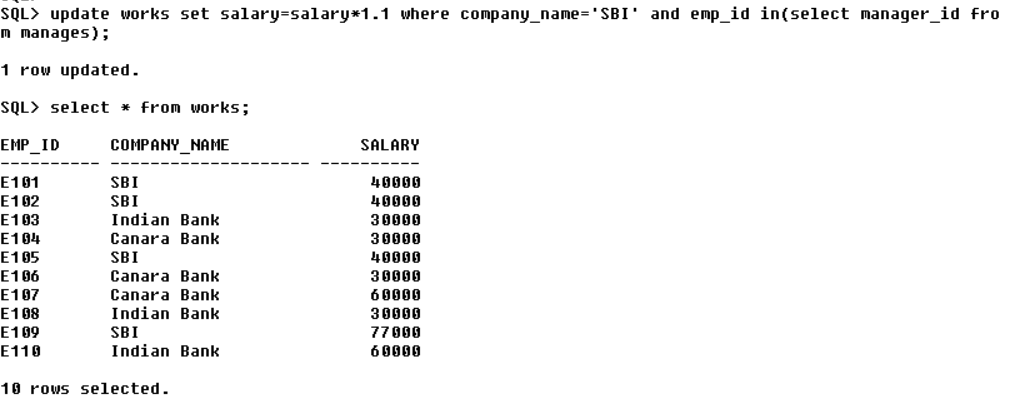
**c. Find all employees who earn more than the average salary of all employees of their company.**

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 set salary=salary\*1.1 where company\_name='SBI' and emp\_id in(select manager\_id from manages);

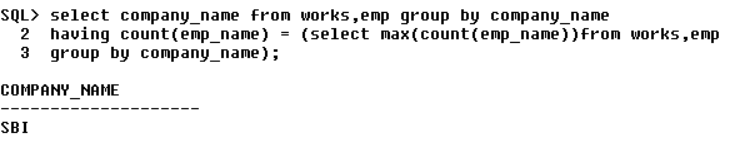


**e. Find the company that has the most employees.**

select company\_name from works,emp group by company\_name

having count(emp\_name) = (select max(count(emp\_name))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');

