**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)

create table emp(emp\_id varchar(50) primary key check(emp\_id like ’E%’),emp\_name varchar(50),street\_no int,city varchar(50));

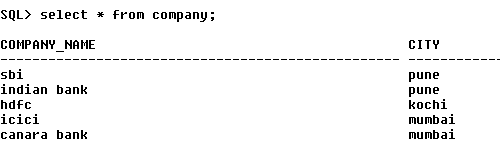
create table company(company\_name varchar(50) primary key,city varchar(50));

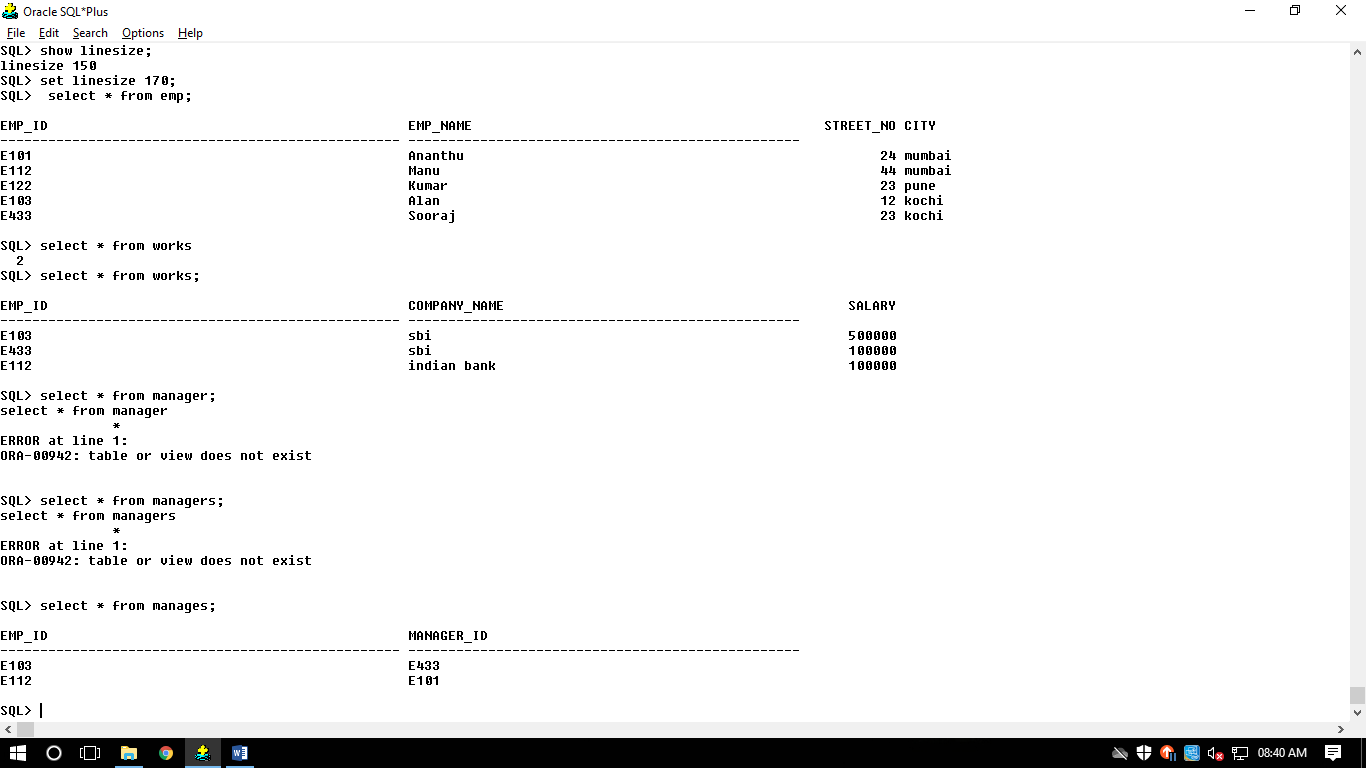
create table works(emp\_id varchar(50) references emp(emp\_id),company\_name varchar(50) references company(company\_name),salary int);

create table manages(emp\_id varchar(50) references emp(emp\_id),manager\_id varchar(50) references emp(emp\_id));





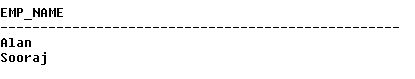




**Note: Emp\_id should start with ‘E’ in Emp table and emp\_id in works table must be the emp\_id from emp table .emp\_id and manager\_id in manages table must be the emp\_id from emp table**

a:Find the names of all employees who work for SBI.

**select emp\_name from emp,works where emp.emp\_id=works.emp\_id and company\_name='sbi';**



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

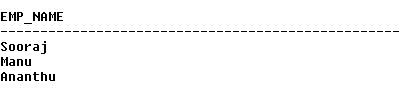
**select emp\_name from emp,works,company where emp.emp\_id=works.emp\_id and works.company\_name=company.company\_name and emp.city=company.city;**



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

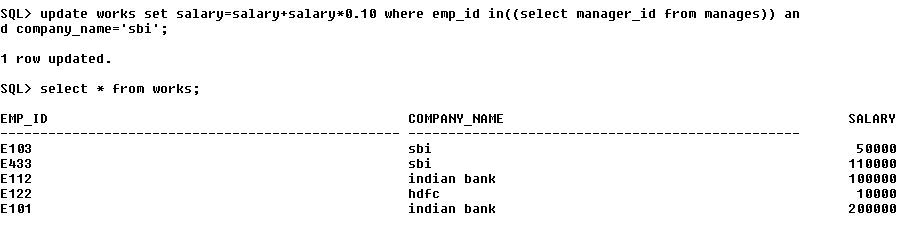
company.

**select emp\_name from works,emp where emp.emp\_id=works.emp\_id and salary>(select avg(salary) from works where company\_name in (select company\_name from company group by company\_name));**



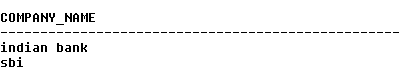
d. Give all managers of SBI a 10 percent raise.

**update works set salary=salary+salary\*0.10 where emp\_id in((select manager\_id from manages)) and company\_name='sbi';**



e. Find the company that has the most employees

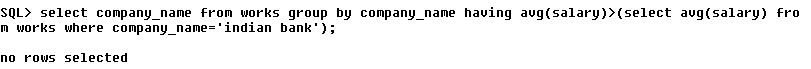
**select company\_name from works group by company\_name having count(distinct emp\_id)=(select max(count(distinct emp\_id)) from works group by company\_name);**



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’