**EXP 2 EMPLOYEE DATABASE**

**Aim:**

Consider the employee database given below

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

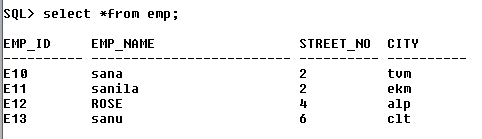
**works** (emp\_id, company name, salary)

**company** (company name, city)

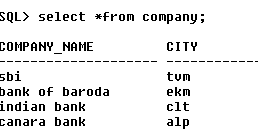
**manages** (emp\_id, manager\_id)

**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**

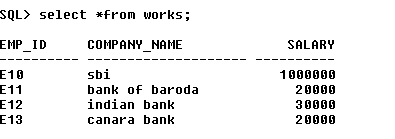
create table emp(emp\_id varchar(10) primary key check(emp\_id like 'E%'),emp\_name varchar(25),street\_no varchar(10),city varchar(10));



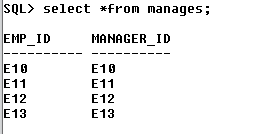
create table company(company\_name varchar(20) primary key ,city varchar(20));



create table works(emp\_id varchar(10) references emp(emp\_id),company\_name varchar(20) references company(company\_name),salary number);

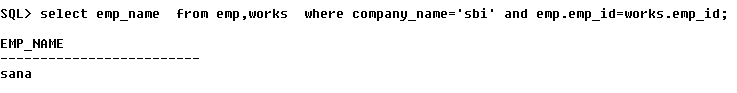


create table manages(emp\_id varchar(10) references emp(emp\_id),manager\_id varchar(10) references emp(emp\_id));



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

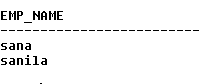
select emp\_name from emp,works where company\_name='SBI' and emp.emp\_id=works.emp\_id;



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

which they work.

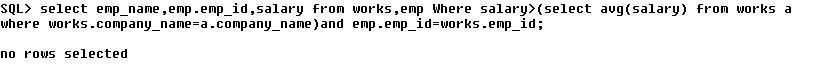
select emp\_name from emp,works,company where emp.emp\_id=works.emp\_id and works.company\_name =company.company\_name and emp.city=company.city;



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

company.

select emp\_name,emp.emp\_id,salary from works,emp Where salary>(select avg(salary) from works a where works.company\_name=a.company\_name)and emp.emp\_id=works.emp\_id;



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

UPDATE works SET salary = salary \* 1.1 WHERE emp\_id in (select manager\_id

from manages) and company\_name =’SBT’

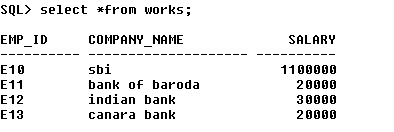
UPDATE works SET salary = salary \* 1.1 WHERE emp\_id in (select manager\_id

from manages) and company\_name =’SBT’;

UPDATE works SET salary = salary \* 1.1 WHERE emp\_id in (select manager\_id

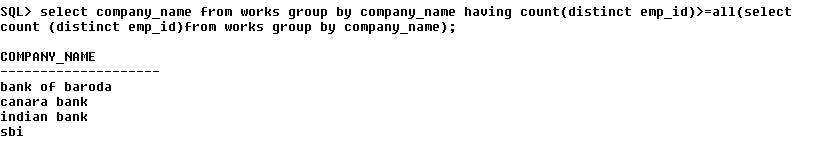
from manages) and company\_name =’SBT’;

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



e. Find the company that has the most employees

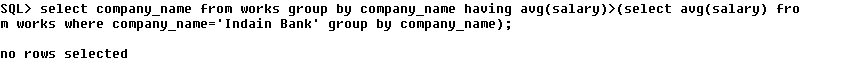
select company\_name from works group by company\_name having count(distinct emp\_id)>=all(select count (distinct emp\_id)from works group by company\_name);



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='Indain Bank' group by company\_name);



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

of ‘Indian Bank’

select emp\_name,salary from works,emp where salary>(select max(salary) from works where company\_name='Indain Bank' group by company\_name) and emp.emp\_id=works.emp\_id;

