**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);













* 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 inner join company on emp.CITY = company.city;



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

company.

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



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

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 sbi.

select company\_name from works,emp group by company\_name having avg (salary)> (select avg(salary) from works where company\_name='sbi');



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

of ‘Indian Bank’.

select emp\_name,salary from emp e,works w where e.emp\_id=w.emp\_id and company\_name!='indian bank' and salary>(select min (salary)from works where company\_name='indian bank');

