**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 emp1(Emp\_id varchar(10)check(Emp\_id like 'E%')primary key,emp\_name varchar(25),str eet\_no number,city varchar(25));

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

create table work(emp\_id varchar(25) references emp(emp\_id),company\_name varchar(25) reference s company(company\_name),salary integer);

create table manager(emp\_id varchar(10) references emp1(emp\_id),manager\_id varchar(25) references emp1(emp\_id));

insert into emp values('E01','manu',001,'kollam');

select \* from emp1;

EMP\_ID EMP\_NAME STREET\_NO CITY

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E1 nayana 100 kollam

E2 athi 201 kochi

E3 sainatha 203 thrisuur

E4 sanila 511 wayand

E6 sana 203 kollam

select \* from companys;

COMPANY\_NAME CITY

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sbi kollam

hdfc thrisuur

baroda wayand

select \*from work;

EMP\_ID COMPANY\_NAME SALARY

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E1 sbi 25000

E2 hdfc 16480

E3 sbi 7000

E4 baroda 30000

E6 sbi 49500

select \* from manager;

EMP\_ID MANAGER\_ID

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E4 E1

E2 E6

E3 E1

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

Select emp\_name from emp where emp\_id in(select emp\_id from work where company\_name=’sbi’);

EMP\_NAME

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nayana

sainatha

sana

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

Select emp\_name from emp,companys,work where emp.emp\_id=work.emp\_id and emp.city=companys.city and work.company\_name=companys.company\_name;

EMP\_NAME

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nayana

sanila

sana

1. Find all employees who earn more than the average salary of all employeesof their company.

select emp\_name from emp1 e,work w where e.emp\_id=w.emp\_id and w.salary>(select avg(salary) from work q where w.company\_name=q.company\_name);

EMP\_NAME

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Nayana

sana

d. Give all managers of SBI a 10 percent raise

update work set salary=salary+salary\*0.1 where company\_name='sbi' and emp\_id in (select manager\_id from manager);

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select \* from work;

EMP\_ID COMPANY\_NAME SALARY

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E1 sbi 25250

E2 hdfc 16480

E3 sbi 7000

E4 baroda 30000

E6 sbi 54550

e. Find the company that has the most employees

select company\_name from work,emp1 group by company\_name having count(emp\_name)=(select max(count(emp\_name)) from work,emp1 group by company\_name);

COMPANY\_NAME

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sbi

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

average salary at Indian Bank.

select company\_name from work GROUP BY company\_name having avg(salary)>(select avg(salary) from work where company\_name='indianbank' GROUP BY company\_name);

no rows selected

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

of ‘Indian Bank’

select emp\_name,salary from work,emp1 where salary>(select max(salary) from work where company\_name='indianbank' group by company\_name) and emp1.emp\_id=work.emp\_id;

no rows selected

create table emp1(Emp\_id varchar(10)check(Emp\_id like 'E%')primary key,emp\_name varchar(25),str eet\_no number,city varchar(25));

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

create table work(emp\_id varchar(25) references emp(emp\_id),company\_name varchar(25) reference s company(company\_name),salary integer);

create table manager(emp\_id varchar(10) references emp1(emp\_id),manager\_id varchar(25) references emp1(emp\_id));

insert into emp values('E01','manu',001,'kollam');

select \* from emp1;

EMP\_ID EMP\_NAME STREET\_NO CITY

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E1 nayana 100 kollam

E2 athi 201 kochi

E3 sainatha 203 thrisuur

E4 sanila 511 wayand

E6 arsha 203 kollam

select \* from companys;

COMPANY\_NAME CITY

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sbi kollam

hdfc thrisuur

baroda wayand

select \*from work;

EMP\_ID COMPANY\_NAME SALARY

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E1 sbi 25000

E2 hdfc 16480

E3 sbi 7000

E4 baroda 30000

E6 sbi 49500

select \* from manager;

EMP\_ID MANAGER\_ID

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E4 E1

E2 E6

E3 E1