**EXP 2 EMPLOYEE DATABASE**

**Aim:**

Consider the employee database given below

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

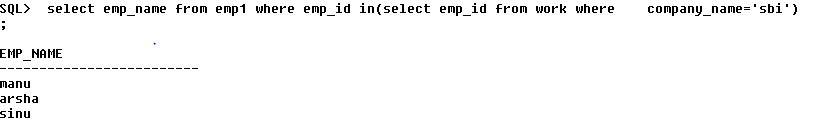
**works** (emp\_id, company name, salary)

**company** (company name, city)

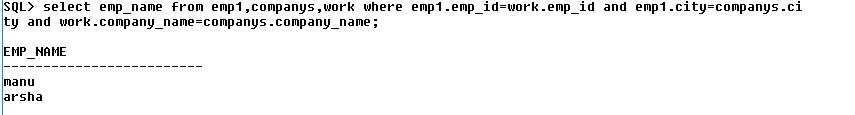
**manages** (emp\_id, manager\_id)

**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**

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



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



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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anu

arsha

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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E01 sbi 253000

E02 hdfc 645980

E04 federal 30000

E07 sbt 320000

E06 sbi 4950000

E03 sbi 77000

E08 hdfc 390000

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 emp1 values('E01','manu',001,'kollam');

select \* from emp1;

EMP\_ID EMP\_NAME STREET\_NO CITY

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E01 manu 1 kollam

E02 anu 2 kochi

E03 sinu 3 thrisuur

E04 janu 5 wayand

E06 arsha 203 kollam

E07 sree 59 gujarat

E08 gayu 900 pershya

insert into companys values('sbi','kollam');

select \* from companys;

COMPANY\_NAME CITY

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sbi kollam

hdfc thrichi

muthoot thrisuur

federal kovalam

wc kollam

sbt goa

wc kollam

sbt goa

insert into work values('E01','sbi',230000);

select \*from work;

EMP\_ID COMPANY\_NAME SALARY

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E01 sbi 253000

E02 hdfc 645980

E04 federal 30000

E07 sbt 320000

E06 sbi 4950000

E03 sbi 77000

E08 hdfc 390000

select \* from manager;

EMP\_ID MANAGER\_ID

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E04 E01

E03 E02

E07 E06