1. Create a db called company consist of the following tables.

Emp (eno,ename, job,hiredate,salary,commission,deptno,)

create table Emp(eno int, ename char(50),job int,hairedate int,salary int,commission int,deptno int,primary key (ename));

dept(deptno,deptname,location) eno is primary key in emp deptno is primary key in dept

Create table dept(deptno int,deptname char(50),location char(50),primary key (deptno));

**Solve Queries by SQL**

* + - 1. List the maximum salary paid to salesman

select max(salary) from Emp where job = 'Tester';

* + - 1. List name of emp whose name start with ‘I’

select ename from Emp where ename like 'I%';

* + - 1. List details of emp who have joined before ’30-sept-81’

select \* from Emp where hiredate < '1981-09-30';

* + - 1. List the emp details in the descending order of their basic salary

select \*from Emp order by salary desc;

* + - 1. List of no. of emp & avg salary for emp in the dept no ‘20’

select count(eno) as Total\_employees, avg(salary) as salary from Emp where deptno = 30;

* + - 1. List the avg salary, minimum salary of the emp hiredatewise for dept no ‘10’.

select avg(salary) as Average\_salary, min(salary) as Minimum\_salary from Emp where deptno = 10 order by hiredate asc;

* + - 1. List emp name and its department

select E.ename, D.deptname from Emp E, dept D where E.deptno = D.deptno;

* + - 1. List total salary paid to each department

select sum(salary) as Total\_salary, deptname from Emp, dept where Emp.deptno = dept.deptno group by dept.deptname order by Total\_salary;

* + - 1. List details of employee working in ‘Dev’ department

select \*from Emp, dept where Emp.deptno = dept.deptno and dept.deptname = 'Dev';

* + - 1. Update salary of all employees in deptno 10 by 5 %.

update Emp set salary = salary+salary\*0.05 where deptno = 10;

**Give an expression in SQL for each of the following queries.**

**1. Find the names of all employees who work for First Bank Corporation.**

select employeename from works where companyname='First Bank Corporation';

**2. Find all employees who do not work for First Bank Coorporation**

select employeename from works where companyname<>'First Bank Corporation';

**3. Find the company that has most employees.**

**4. Find all companies located in every in which small bank corporation is located**

**5. Find details of employee having salary greater than 10,000.**

select \* from works where salary>10000;

**6. Update salary of all employees who work for First Bank Corporation by 10%.**

update works set salary=salary+10 where companyname ='First Bank Corporation';

select \* from works;

**7. Find employee and their managers.**

Select \* from manages;

**8. Find the names, street and cities of all employees who work for First Bank Corporation and earn more than 10,000.**

select e.employeename,e.street,e.cityfrom employee e, works w where e.employeename=w.employeename and companyname="First Bank Corporation"and salary > 10000 **;**

**9. Find those companies whose employees earn a higher salary,on average, than the average salary at First Bank Corporation**

select AVG(salary) from works where companyname='First Bank Corporation';