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';
```

2. List name of emp whose name start with 'I'

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

3. List details of emp who have joined before '30-sept-81'

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

4. List the emp details in the descending order of their basic salary

```
select *from Emp order by salary desc;
```

5. 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;
```

6. 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;
```

7. List emp name and its department

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

8. 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;
```

9. List details of employee working in 'Dev' department

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

10. 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';