**Problem Statement 1**

Create a db called company consist of the following tables.

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

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

**Creation of table and Insertion**

CREATE TABLE dept

(deptno number(4) not null ,

deptname varchar(20) not null,

location varchar(20) ,

PRIMARY KEY (deptno)

);

insert into dept values(1,'Finance','Pune');

insert into dept values(2,'Accounts','Pune');

insert into dept values(3,'Finance','Delhi');

insert into dept values(4,'Sales','Chennai');

insert into dept values(5,'Traning','Mumbai');

insert into dept values(10,'Development','Mumbai');

insert into dept values(20,'Testing','Mumbai');

insert into dept values(6,'Dev','Mumbai');

create table emp(

eno number(3) not null,

ename varchar(20),

job varchar(20),

hiredate date,

salary number(30),

commission number,

dept\_no number,

primary key(eno),

FOREIGN KEY (dept\_no) REFERENCES dept(deptno)

);

insert into emp values(107,'Ojas','Trainer',date '1980-10-05',50000,6,5);

insert into emp values(108,'Avadhut','Trainer',date '1981-07-02',50000,6,5);

insert into emp values(103,'Rutuja','Tester',date '2022-10-30',50000,10,20);

insert into emp values(104,'Priyanka','Tester',date'20221030',40000,10,20);

insert into emp values(105,'Isha','Advisor',date '2022-01-23',150000,1,1);

insert into emp values(106,'Ishan','Assisteant',date '2022-01-30',100000,1,1);

**Solve Queries by SQL**

1)List the maximum salary paid to salesman

select max(salary) from emp where job='salesman';

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<date'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(\*) ,avg(salary) from emp where dept\_no=20;

6)List the avg salary, minimum salary of the emp hiredatewise for dept no ‘10’.

select avg(salary),min(salary) from emp where dept\_no=10 ORDER BY hiredate ;

7)List emp name and its department

SELECT e.dept\_no , e.ename, d.deptname from emp e,dept d WHERE e.dept\_no = d.deptno;

8)List total salary paid to each department

SELECT dept\_no, SUM(salary)FROM emp GROUP BY dept\_no;

9)List details of employee working in ‘Dev’ department

select \* from dept where deptname='Dev';

10)Update salary of all employees in deptno 10 by 5 %.

UPDATE emp SET salary= salary + (salary \* 5 / 100) WHERE dept\_no = 10;

select \* from emp;