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

Solve Queries by SQL

1. List the maximum salary paid to salesman

2. List name of emp whose name start with ‘I’

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

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

5. List of no. of emp &amp; avg salary for emp in the dept no ‘20’

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

7. List emp name and its department

8. List total salary paid to each department

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

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

ANS :=

DATABASE :=

-- Create the database

CREATE DATABASE company;

-- Switch to the 'company' database

USE company;

-- Create the dept table

CREATE TABLE dept (

deptno INT PRIMARY KEY,

deptname VARCHAR(50),

location VARCHAR(50)

);

-- Create the emp table

CREATE TABLE emp (

eno INT PRIMARY KEY,

ename VARCHAR(50),

job VARCHAR(50),

hiredate DATE,

salary DECIMAL(10, 2),

commission DECIMAL(10, 2),

deptno INT,

FOREIGN KEY (deptno) REFERENCES dept(deptno)

);

1

SELECT MAX(salary) AS max\_salary FROM Emp WHERE job = 'Salesman';

2

SELECT ename FROM Emp WHERE ename LIKE 'I%';

3

SELECT \* FROM Emp WHERE hiredate < '1981-09-30';

4

SELECT \* FROM Emp ORDER BY salary DESC;

5

SELECT COUNT(\*) AS num\_employees, AVG(salary) AS avg\_salary FROM Emp WHERE deptno = 20;

6

SELECT hiredate, AVG(salary) AS avg\_salary, MIN(salary) AS min\_salary FROM Emp WHERE deptno = 10 GROUP BY hiredate;

7

SELECT e.ename, d.deptname FROM Emp e JOIN Dept d ON e.deptno = d.deptno;

8

SELECT deptno, SUM(salary) AS total\_salary FROM Emp GROUP BY deptno;

9

SELECT e.\* FROM Emp e JOIN Dept d ON e.deptno = d.deptno WHERE d.deptname = 'Dev';

10

UPDATE Emp SET salary = salary \* 1.05 WHERE deptno = 10;