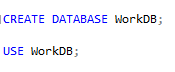
**SQL-Assignment-3**

**Name: PATEL DEV V.**

* **Create Database:**

**CREATE** DATABASE WorkDB;

USE WorkDB;



* **Create Table:**

**QUERY**:

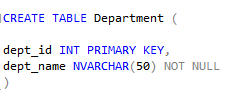
* **DEPARTMENT TABLE**

CREATE TABLE Department (

dept\_id INT PRIMARY KEY,

dept\_name NVARCHAR(50) NOT NULL

)



* **EMPLOYEE TABLE**

CREATE TABLE Employee (

emp\_id INT PRIMARY KEY,

dept\_id INT NOT NULL ,

mngr\_id INT ,

emp\_name NVARCHAR(50) NOT NULL,

salary MONEY ,

FOREIGN KEY (dept\_id) REFERENCES Department (dept\_id)

)

* **INSERTING VALUES IN DEPARTMENT TABLE:**

INSERT INTO Department(dept\_id, dept\_name )

VALUES(1001, 'FINANCE')

INSERT INTO Department(dept\_id, dept\_name )

VALUES(2001 ,'AUDIT')

INSERT INTO Department(dept\_id, dept\_name )

VALUES(3001 , 'marketing')

INSERT INTO Department(dept\_id, dept\_name )

VALUES(4001 , 'production')

* **INSERTING VALUES IN EMPLOYEE TABLE:**

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (501,1001,NULL,'Krish',60000)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (502,3001,501,'Brijesh',27500)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (503,1001,501,'Chandu',25500)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (504,2001,501,'Jay',29570)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (505,2001,504,'Suresh',31000)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (506,2001,504,'Feni',31000)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (507,2001,506,'Sanket',9000)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (508,3001,502,'Aayush',17000)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (509,3001,502,'Bablu',13500)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (510,3001,502,'Madden',13500)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (511,3001,502,'Taksh',16000)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (512,2001,505,'Aesha',12000)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (513,3001,502,'Juli',10500)

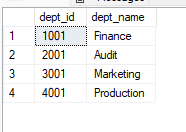
INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

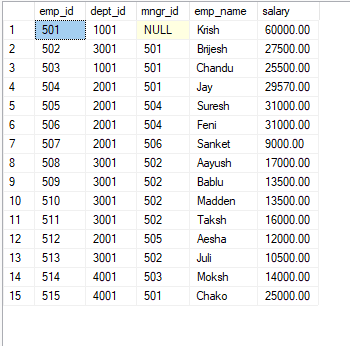
VALUES (514,1001,503,'Moksh',14000)

INSERT INTO Employee (emp\_id,dept\_id,mngr\_id,emp\_name,salary)

VALUES (515,1001,501,'Chako',25000)

* **VIEWING DATA IN TABLE**





**1. write a SQL query to find Employees who have the biggest salary in their Department**

**QUERY:**

SELECT DISTINCT E.Emp\_id, E.Emp\_name, D.Dept\_id, D.Dept\_name, E.Salary

FROM Employee E

Inner Join Department D

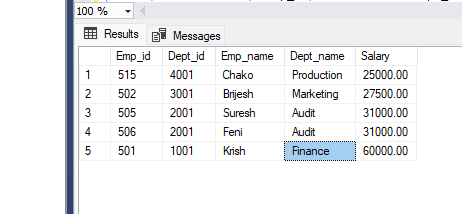
ON D.Dept\_id = E.Dept\_id,

(SELECT K.Dept\_id,MAX(Salary) AS 'MAXSAL'

FROM Employee K

Group By Dept\_id) Y

WHERE E.Dept\_id=Y.Dept\_id AND E.Salary = Y.MAXSAL



**2. write a SQL query to find Departments that have less than 3 people in it**

**QUERY:**

SELECT D.dept\_name, D.dept\_id , Y.Total AS "Total Employee"

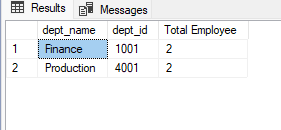
FROM ( SELECT COUNT(E.emp\_id) AS Total , E.dept\_id

FROM Employee E

GROUP BY (E.dept\_id)

HAVING COUNT(E.dept\_id) < 3) Y

INNER JOIN Department D ON Y.dept\_id = D.dept\_id



**3. write a SQL query to find All Department along with the number of people there**

**QUERY:**

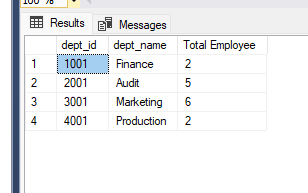
SELECT Y.dept\_id , D.dept\_name ,Y.Total AS "Total Employee"

FROM(SELECT E.dept\_id , COUNT(E.emp\_id) AS Total

FROM Employee E

GROUP BY E.dept\_id ) Y

INNER JOIN Department D ON Y.dept\_id = D.dept\_id



**4. write a SQL query to find All Department along with the total salary there.**

**QUERY:**

SELECT Y.dept\_id, D.dept\_name,Y.Total\_Salary

FROM(SELECT E.dept\_id , SUM(E.salary) AS 'Total\_Salary'

FROM Employee E

GROUP BY E.dept\_id ) Y

INNER JOIN Department D ON Y.dept\_id=D.dept\_id

