**Institute of Computer Technology**

**B. Tech. Computer Science and Engineering**

**Semester: III**

**Sub: Database Management System**

**Course Code: 2CSE301**

**Practical Number:7**

**Objective:**

*Perform queries using joins, sub query, set operations, group by and*

*having.*

**Queries:**

1. **Write an SQL query to display maximum salary from employee table.**

**Code :**

SELECT MAX(salary) AS max\_salary FROM Employee;

**Output :**

****

1. **Write an SQL query to display employee name who is taking maximum salary.**

**Code :**

SELECT ename FROM Employee WHERE salary = (SELECT MAX(salary) FROM Employee);

**Output :**



1. **Write an SQL query to display second highest salary from employee table?**

**Code :**

SELECT MAX(salary) AS second\_highest\_salary

FROM Employee

WHERE salary < (SELECT MAX(salary) FROM Employee);

**Output :**



1. **Write an SQL query to display employee name who is taking second highest salary.**

**Code :**

SELECT ename FROM Employee

WHERE salary = (

SELECT MAX(salary) FROM Employee

WHERE salary < (SELECT MAX(salary) FROM Employee)

);

**Output :**

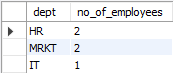


1. **Write an SQL query to display all the dept names along with no of employees working in it.**

**Code :**

SELECT dept, COUNT(eid) AS no\_of\_employees FROM Employee GROUP BY dept;

**Output :**

****

1. **Write an sql query to display all the employee names where no. of employees are less than 2.**

**Code :**

SELECT \* FROM Employee

WHERE dept IN (

SELECT dept FROM Employee

GROUP BY dept

HAVING COUNT(eid) < 2

);

**Output :**



1. **Display the name of employee who works in department having count of employee less than 2.**

**Code :**

SELECT ename FROM Employee

WHERE dept IN (

SELECT dept FROM Employee

GROUP BY dept

HAVING COUNT(eid) < 2

);

**Output :**



1. **Write a query display highest salary department wise and name of employee who is taking that salary.**

**Code :**

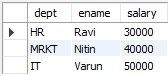
SELECT dept, ename, salary FROM Employee e

WHERE salary = (

SELECT MAX(salary) FROM Employee WHERE dept = e.dept

);

**Output :**



1. **Find the name of employees who are working on a project?**

**Code :**

SELECT ename FROM Employee

WHERE eid IN (SELECT eid FROM Project);

**Output :**



1. **Find the details of employee who is working on at least one project?**

**Code :**

SELECT \* FROM Employee

WHERE eid IN (SELECT eid FROM Project);

**Output :**

