## **Institute of Computer Technology**

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

**Sub: Database Management System (2CSE301)** 

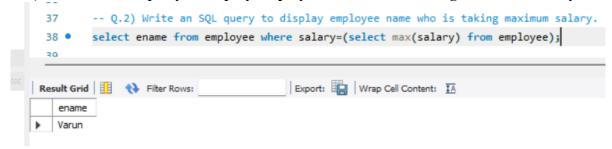
Practical 7: Perform queries using joins, sub query, set operations, group by and having.

Employee					
eid	ename	Address	dept	salary	
1	Ram	chd	HR	10000	
2	Amit	delhi	MRKT	20000	
3	Ravi	pune	HR	30000	
4	Nitin	bang	MRKT	40000	
5	Varun	chd	IT	50000	

Project					
Eid	Pid	pname	Location		
1	P1	IOT	bang		
5	P2	BIG Data	delhi		
3	P3	Retail	mumbai		
4	P4	Android	hyderabad		

#### Q.1) Write an SQL query to display maximum salary from employee table.

Q.2) Write an SQL query to display employee name who is taking maximum salary.



Q.3) Write an SQL query to display second highest salary from employee table?

```
40 -- Q.3) Write an SQL query to display second highest salary from employee table?
41 • SELECT MAX(Salary) AS SecondHighestSalary
42 FROM Employee
43 WHERE Salary < (SELECT MAX(Salary) FROM Employee);
44
45 -- Q.4) Write an SQL query to display employee name who is taking second highest

** Result Grid ** Filter Rows: Export: ** Wrap Cell Content: ** SecondHighestSalary

** SecondHighestSalary

** A0000
```

Q.4) Write an SQL query to display employee name who is taking second highest salary.

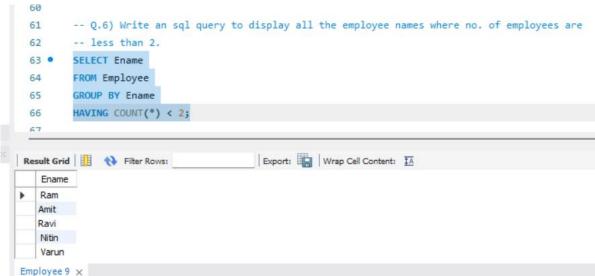
```
45
         -- Q.4) Write an SQL query to display employee name who is taking second highest
  46
         -- salary.
         SELECT ename
  47 .
         FROM Employee
  48

    WHERE Salary = (
  49
            SELECT MAX(Salary)
  50
            FROM Employee
  51
             WHERE Salary < (SELECT MAX(Salary) FROM Employee)
  52
  53
  54
         -- 0.5) Write an SOI guery to display all the dent names along with no of employee
Export: Wrap Cell Content: TA
    ename
  Nitin
```

Q.5) Write an SQL query to display all the dept names along with no of employees working in it.

```
55
         -- Q.5) Write an SQL query to display all the dept names along with no of employees
 56
         -- working in it.
         SELECT dept, COUNT(*) AS NumberOfEmployees
 57 •
         FROM Employee
 58
 59
         GROUP BY dept;
  60
         -- O 6) Write an eal awary to display all the amployee names where no of amployees
                                     Export: Wrap Cell Content: 1A
dept NumberOfEmployees
   HR
         2
   MRKT 2
   IT
        1
```

Q.6) Write an sql query to display all the employee names where no. of employees are less than 2.

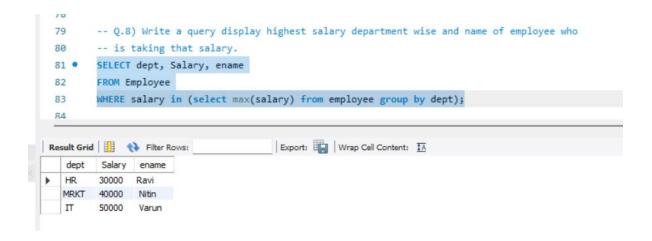


Q.7) Display the name of employee who works in department having count of employee less than 2.

```
68
        -- Q.7) Display the name of employee who works in department having count of employee
 70 •
        SELECT ename
 71
        FROM Employee

→ WHERE dept IN (
 72
           SELECT dept
 73
 74
            FROM Employee
            GROUP BY dept
 75
            HAVING COUNT(*) < 2
 76
 77
Export: Wrap Cell Content: IA
Varun
```

Q.8) Write a query display highest salary department wise and name of employee who is taking that salary.



Q.9) Find the name of employees who are working on a project?

```
-- Q.9) Find the name of employees who are working on a project?
 85
        SELECT Employee.ename
 86 •
        FROM Employee
 87
        INNER JOIN Project ON Employee.eid = Project.Eid;
 88
 89
                                     Export: Wrap Cell Content: IA
ename
  Ram
  Ravi
  Nitin
  Varun
```

Q.10) Find the details of employee who is working on at least one project?

