# **Information System Management Lab BCOM 307**

## **Assignment #22**

### Submitted by:

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**Enrollment No:** 03914788818 **Semester:** B.Com(H) 5<sup>th</sup> Semester

Class: B.COM(H)
Section: B.Com 5A

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#### Submitted to:

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Department of Commerce
Academic Year: 2020-21
Semester: Vth

Assignment No. 22
Unit No:

Course/Subject Code: BCOM 307 Subject Title: Information System Management Lab
Issue Date Last Date of Submission:

#### **Instructions for Students:**

1. All Questions are Compulsory.

- 2. The student should attach proper cover page for each assignment clearly mentioning the Assignment No.
- 3. Each assignment should be prepared by the student individually with proper explaination and screenshots.
- 4. A4 size ruled sheets should be used for the assignment.
- 5. Assignment pages should be serially numbered at the bottom of page.

During online education mode, upload scanned copy of the complete assignment including cover page latest by due date.

Question No.	Question	CO No.
1	Display the number of employees in each department with their department names.	
2	Display the employee name whose location is same as department location.	CO2, CO3, CO4,
3	Display the department name where number of employees is more than 2.	
4	Display the employee name whose name starts with 's' and whose salary is more than 1000.	CO5
5	Display the maximum, minimum, and average salary of employees table.	

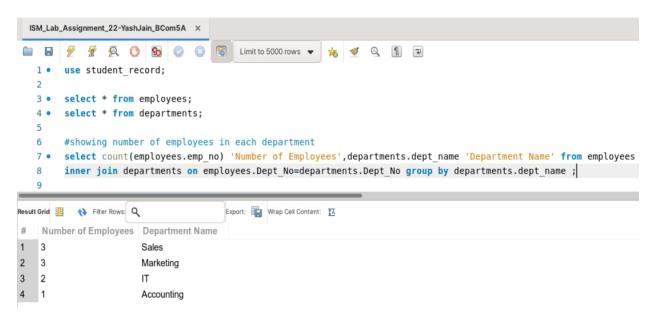
#### **ASSIGNMENT 22 - INNER JOIN CLAUSE**

# Task 1: Display the number of employees in each department with their department names.

This task can be completed using the **SQL INNER JOIN Clause** used with the **GROUP BY** Clause.

The **JOIN** Statement in SQL is used to combine two or more tables in the result set of a database, on the basis of a relation between columns of the tables. **INNER Join** returns all rows from both tables where there is a match. The syntax for this is -

SELECT column1, column2 from <table1> INNER JOIN <table2> ON
table1.common column=table2.common column;



Task 2: Display the employee name whose location is same as department location.

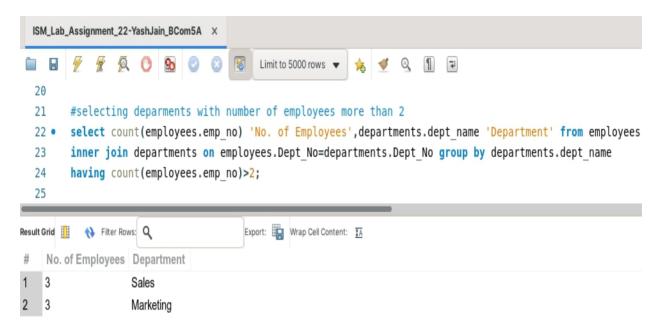
This task can be completed using the **SQL INNER JOIN Clause**.

```
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                                            Limit to 5000 rows 🔻
 13
         select employees.emp name,employees.location 'Emp Location',departments.location 'Dep Location'
  15
         from employees inner join departments on departments.location=employees.location;
Result Grid
          Filter Rows: Q
                                          Export: Wrap Cell Content: TA
    emp_name Emp Location Dep Location
   Yash Jain
                Delhi
                             Delhi
    Ratan Tata
                Gurugram
                             Gurugram
               Gurugram
   Kunal Shah
                             Gurugram
```

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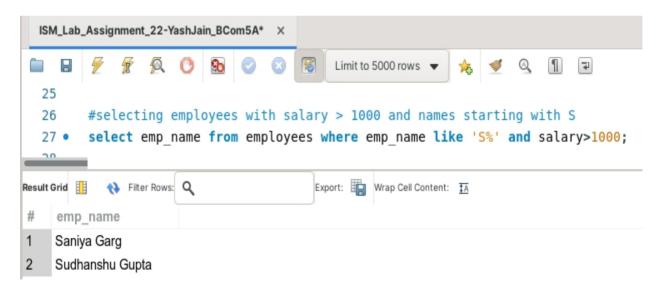
Task 3: Display the department name where number of employees is more than 2.

This task can be completed using the **SQL INNER JOIN Clause** used with the **GROUP BY** Clause, the **HAVING** Clause and the **COUNT()** Aggregate Function.



Task 4: Display the employee name whose name starts with 's' and whose salary is more than 1000.

This task can be completed using the **SQL INNER JOIN Clause** used with the **LIKE** Predicate, and the **AND** operator.



Task 5: Display the maximum, minimum, and average salary of employees table.

This task can be completed using the AVG(), MIN() and MAX() Aggregate Functions.

