

**Information System Management Lab  
BCOM 307**

**Assignment #18**

**Submitted by:**

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Department of Commerce

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Semester: Vth

### Assignment No. 18

Unit No:

Course/Subject Code: BCOM 307

Issue Date

Subject Title: Information System Management Lab

Last Date of Submission:

#### Instructions for Students:

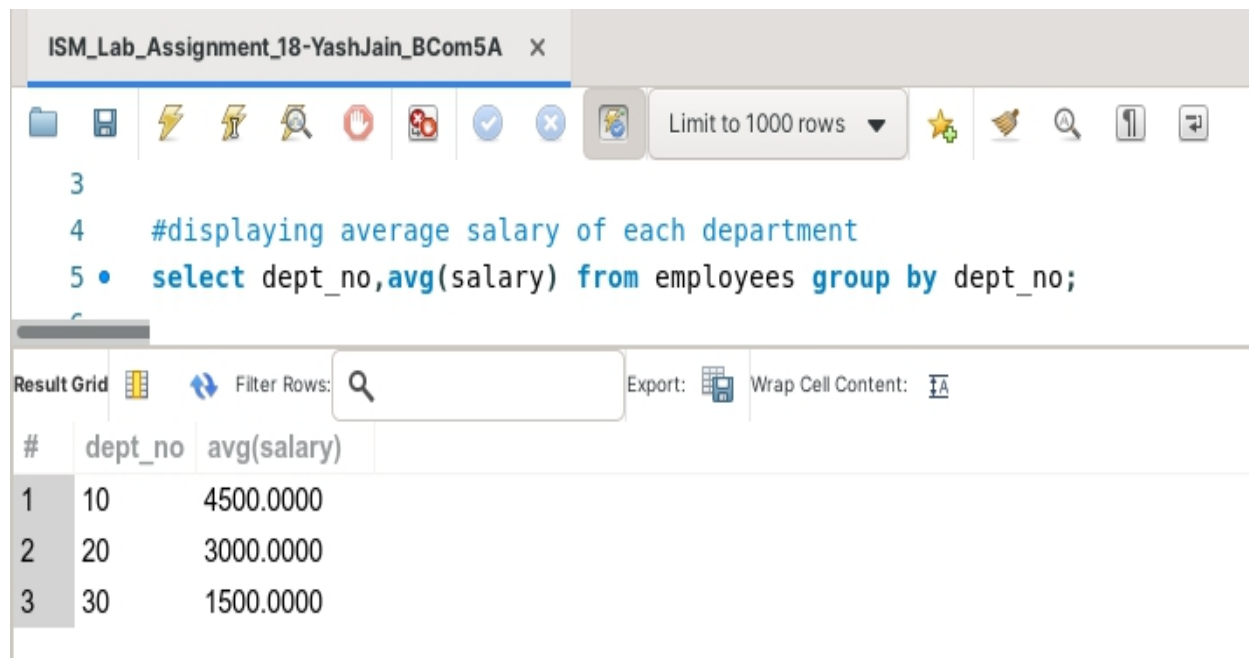
1. **All Questions are Compulsory.**
2. The student should attach proper cover page for each assignment clearly mentioning the Assignment No.
3. Each assignment should be prepared by the student individually with proper explanation and screenshots.
4. A4 size ruled sheets should be used for the assignment.
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	To display average salary of each department.	CO1, CO2, CO3, CO4
2	To count the number of employees in each department where salary is more than 2000.	
3	To display name of employees whose hire date is more than 1 Jan 1960.	
4	To display name of employees whose second character is 'l'.	
5	To display average salary of employees table.	

**ASSIGNMENT 18 - GROUP BY and HAVING Clause II****Task 1 : To display average salary of each department.**

This task can be completed using the **AVG()** aggregate function, and the **GROUP BY** clause.



The screenshot shows a database query editor window titled "ISM\_Lab\_Assignment\_18-YashJain\_BCom5A". The query is as follows:

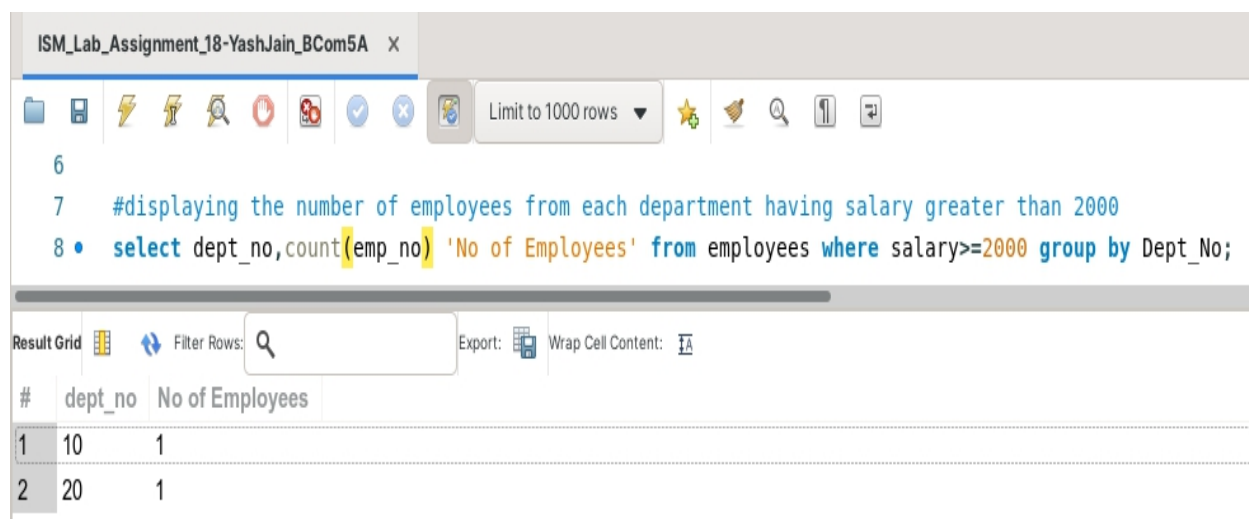
```
3  
4 #displaying average salary of each department  
5 • select dept_no,avg(salary) from employees group by dept_no;  
6
```

Below the query editor, the "Result Grid" is displayed with the following data:

#	dept_no	avg(salary)
1	10	4500.0000
2	20	3000.0000
3	30	1500.0000

**Task 2: Display the number of clients in each designation.**

This task can be completed using the **GROUP BY** clause, the **WHERE** clause and the **COUNT()** aggregate function.



The screenshot shows a database query editor window titled "ISM\_Lab\_Assignment\_18-YashJain\_BCom5A". The query is as follows:

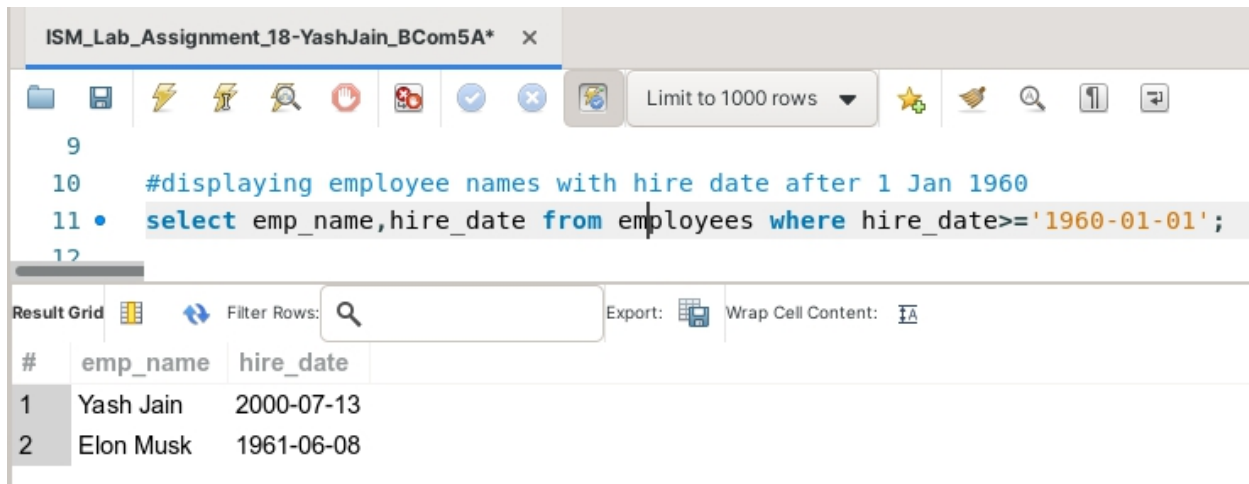
```
6  
7 #displaying the number of employees from each department having salary greater than 2000  
8 • select dept_no,count(emp_no) 'No of Employees' from employees where salary>=2000 group by Dept_No;
```

Below the query editor, the "Result Grid" is displayed with the following data:

#	dept_no	No of Employees
1	10	1
2	20	1

**Task 3: To display name of employees whose hire date is more than 1 Jan 1960.**

This task can be completed using the **WHERE** clause.

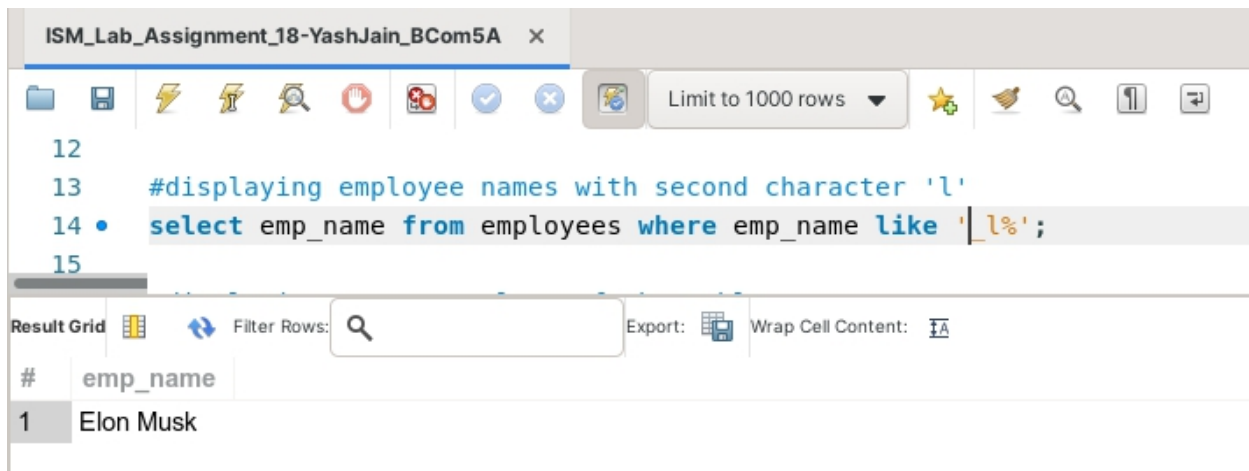


```
9
10 #displaying employee names with hire date after 1 Jan 1960
11 • select emp_name, hire_date from employees where hire_date >= '1960-01-01';
12
```

#	emp_name	hire_date
1	Yash Jain	2000-07-13
2	Elon Musk	1961-06-08

**Task 4: To display name of employees whose second character is 'l'**

This task can be completed using the **LIKE** operator, along with the **WHERE** clause.

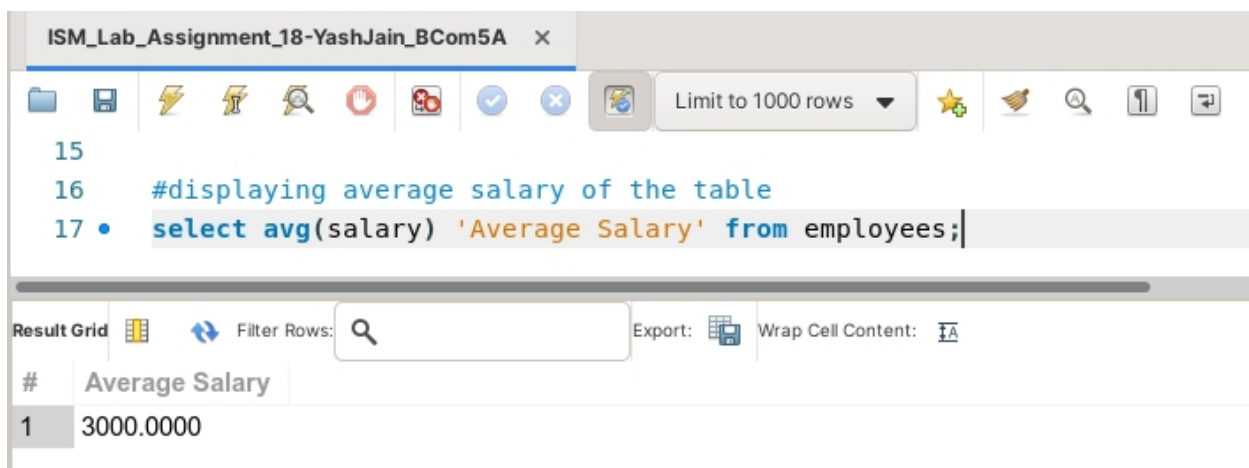


```
12
13 #displaying employee names with second character 'l'
14 • select emp_name from employees where emp_name like 'l%';
15
```

#	emp_name
1	Elon Musk

**Task 5: Display average salary of employees table.**

This task can be completed using the **AVG()** aggregate function.



```
15
16 #displaying average salary of the table
17 • select avg(salary) 'Average Salary' from employees;
```

#	Average Salary
1	3000.0000