Information System Management Lab
BCOM 307

Assignment #13

Submitted by:

Name: YASH JAIN
Enrollment No: 03914788818
Semester: B.Com(H) 5th Semester
Class: B.COM(H)
Section: B.Com 5A
Date of Submission: 08/10/2021

Submitted to:

Praveen Kumar Singh
Assistant Professor, MAIMS

Department of Commerce
Maharaja Agrasen Institute of Management Studies
Affiliated to Guru Gobind Singh Indraprastha University, Delhi
Sector -22, Rohini, Delhi -110086, India; www.maims.ac.in

Maharaja Agrasen Institute of Management Studies

Affiliated to GGS IP University; Recognized u/s 2(f) of UGC
Recognized by Bar Council ofIndia; ISO 9001: 2015
Certified Institution Sector 22, Rohini, Delhi -110086, India;
www.maims.ac.in

Department of Commerce

Academic Year: 2020-21

Semester: Vth

Assignment No. 13
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 theAssignment No.
3. Each assignment should be prepared by the student individually with proper explaination andscreenshots.
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	Show the details of clients according to the client name in the ascending order.	**CO1, CO2, CO3, CO4**
2	Show the details of clients according to the client name in the descending order.	
3	List the Customer Names beginning with the letter 'E'.	
4	List the names of Clients that have 2nd character 'A' in their names.	
5	List the customers whose names have second character 'A' or 'L'.	
6	List the customers whose names begin with the letters 'SM' and it has five letter word.	

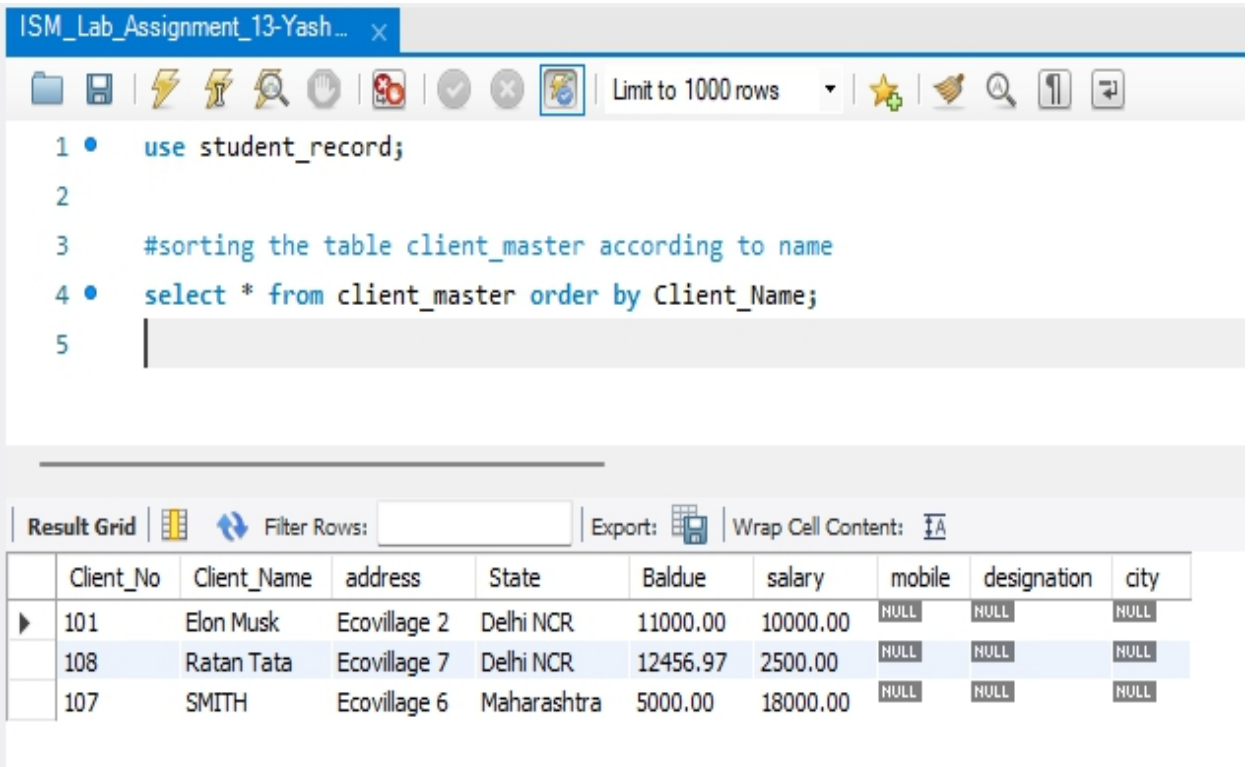
ASSIGNMENT 13 - 'ORDER BY' AND 'LIKE' CLAUSE

Task 1 : Show the details of clients according to the client name in the ascending order.

This task can be completed using the **'Order By'** clause. The ORDER BY clause is used to sort the data of a table. It can be used to sort the data in ascending or descending order. The syntax for this is -

```
Select <columnName> from <tablename> ORDER BY <ColumnName>;
(selecting one column)

Select * from <tablename> ORDER BY <columnName>; (selecting all
columns)
```

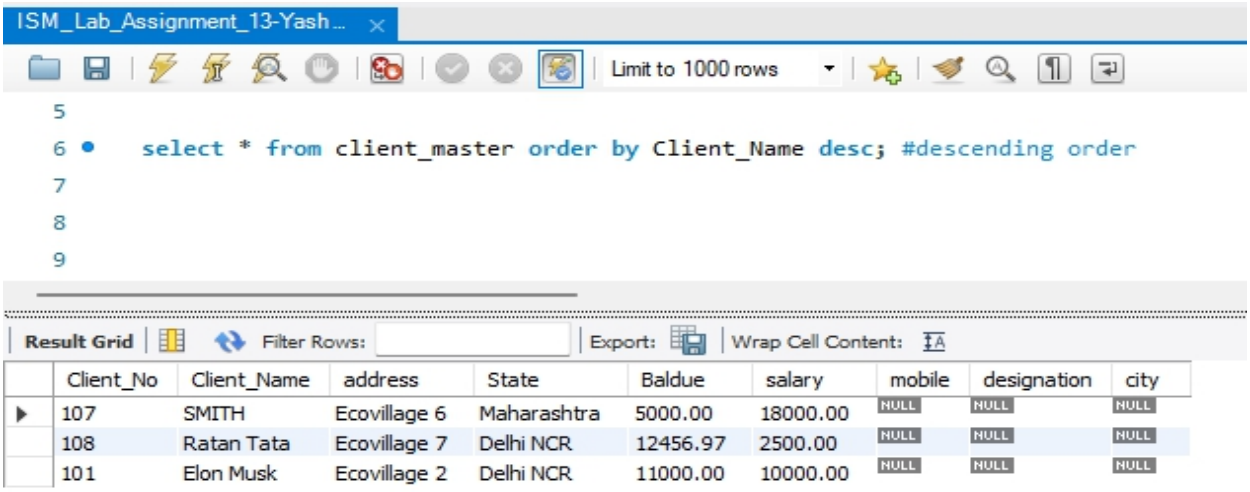


Task 2: Show the details of clients according to the client name in the descending order.

This task can be completed using the **'Order By'** clause, with the **'desc'** keyword. The DESC keyword sorts the table according to the mentioned column in descending order. This is not required in the case of Ascending order, as the ORDER BY clause sorts the data in ascending order by default. The syntax for this is -

```
Select <columnName> from <tablename> ORDER BY <ColumnName> desc;
(selecting one column)

Select * from <tablename> ORDER BY <columnName> desc; (selecting
all columns)
```



Client_No	Client_Name	address	State	Baldue	salary	mobile	designation	city
107	SMITH	Ecovillage 6	Maharashtra	5000.00	18000.00	NULL	NULL	NULL
108	Ratan Tata	Ecovillage 7	Delhi NCR	12456.97	2500.00	NULL	NULL	NULL
101	Elon Musk	Ecovillage 2	Delhi NCR	11000.00	10000.00	NULL	NULL	NULL

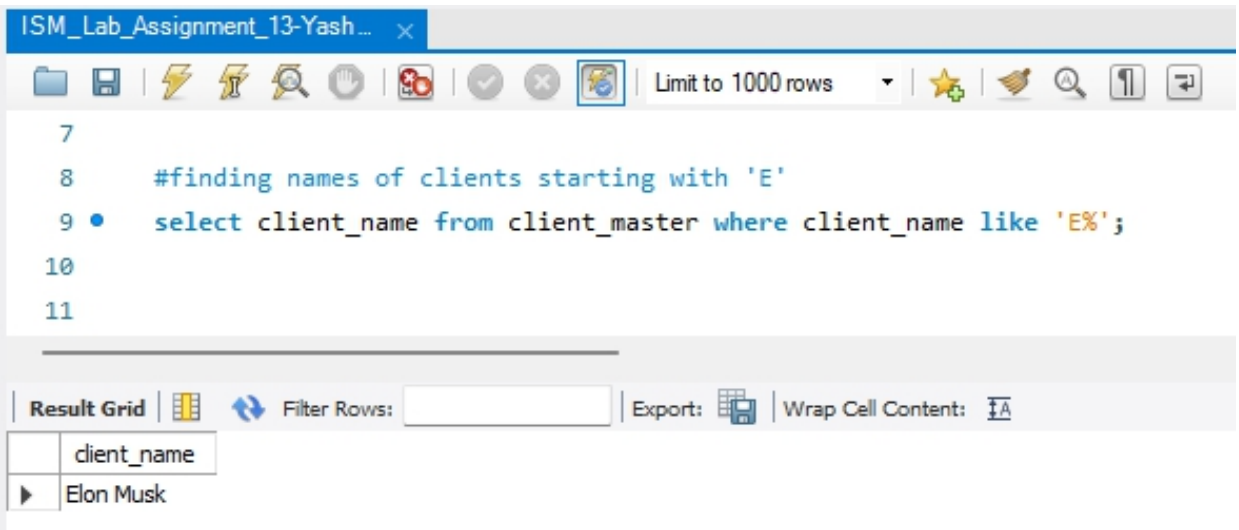
Task 3: List the Customer Names beginning with the letter 'E'.

This task can be completed using the **'like'** keyword. Pattern Matching is used to match specific patterns to find records in our data of the table. It uses the 'LIKE' Operator. The LIKE Operator allows comparison of one string value with other string value. This is achieved using wildcard characters -

1. % : This allows to match any string of any length
2. _ : This allows to match just one single character

The syntax for this is -

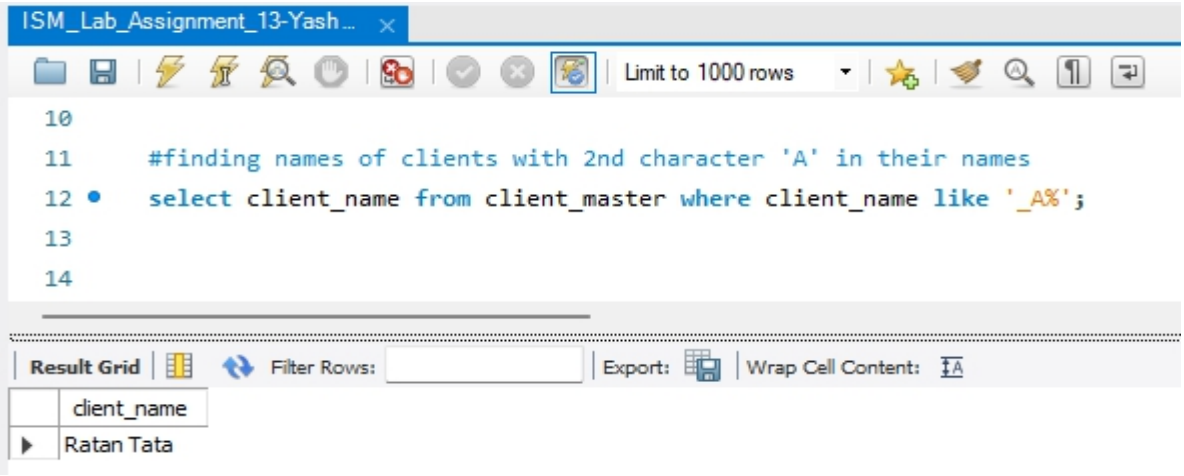
```
Select <columnName> from <tablename> where <columnname> LIKE '(condition)';
```



client_name
Elon Musk

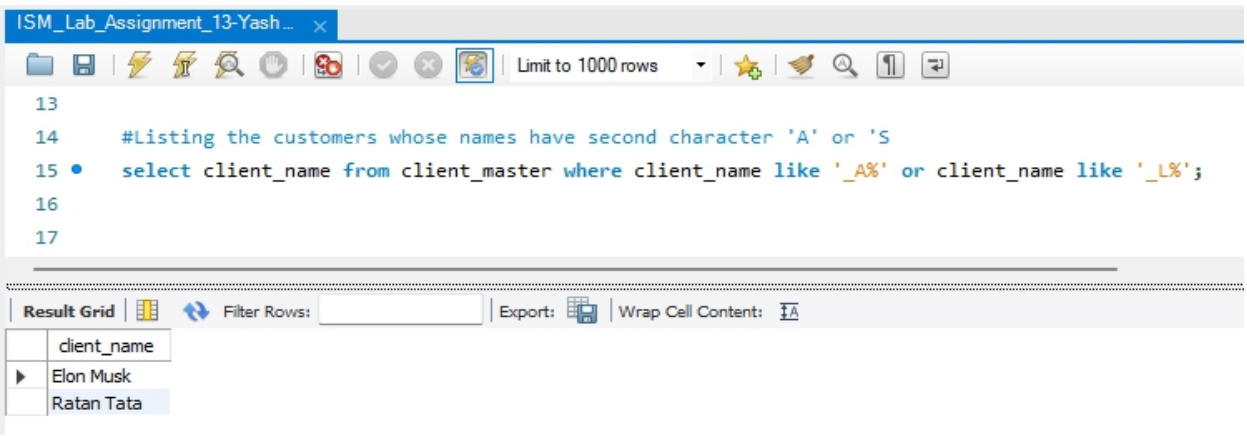
Task 4: List the names of Clients that have 2nd character 'A' in their names.

The following task is completed using the **'like'** command, with the '_' (underscore) and the % (percentage) wild characters.



Task 5: List the customers whose names have second character 'A' or 'L'.

The following task is completed using the **'like'** command, with the **'_'** (underscore) and the % (percentage) wild character, along with the **'OR'** operator .



Task 6: List the customers whose names begin with the letters 'SM' and it has five letter word.

This task can be completed using the **'like'** operator, along with the **'_'** (underscore) wild character.