

**Information System Management Lab  
BCOM 307**

**Assignment #2**

**Submitted by:**

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**Section:** BCom 5A  
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Department of Commerce

Academic Year: 2020-21

Semester: Vth

### Assignment No.2

#### Unit No: 1

**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 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	Create a table called "client_master" that contains five columns: a) Client_no b) Client_name c) Address d) City e) Pincode f) State g) Baldue	CO1
2	Insert any 5 rows in the above columns	
3	Select the whole table	
4	Display all the details where city is 'Delhi'.	
5	Display the names of the client who belongs to "Haryana".	
6	Display the Client_No. and name whose Baldue is greater than "5000".	



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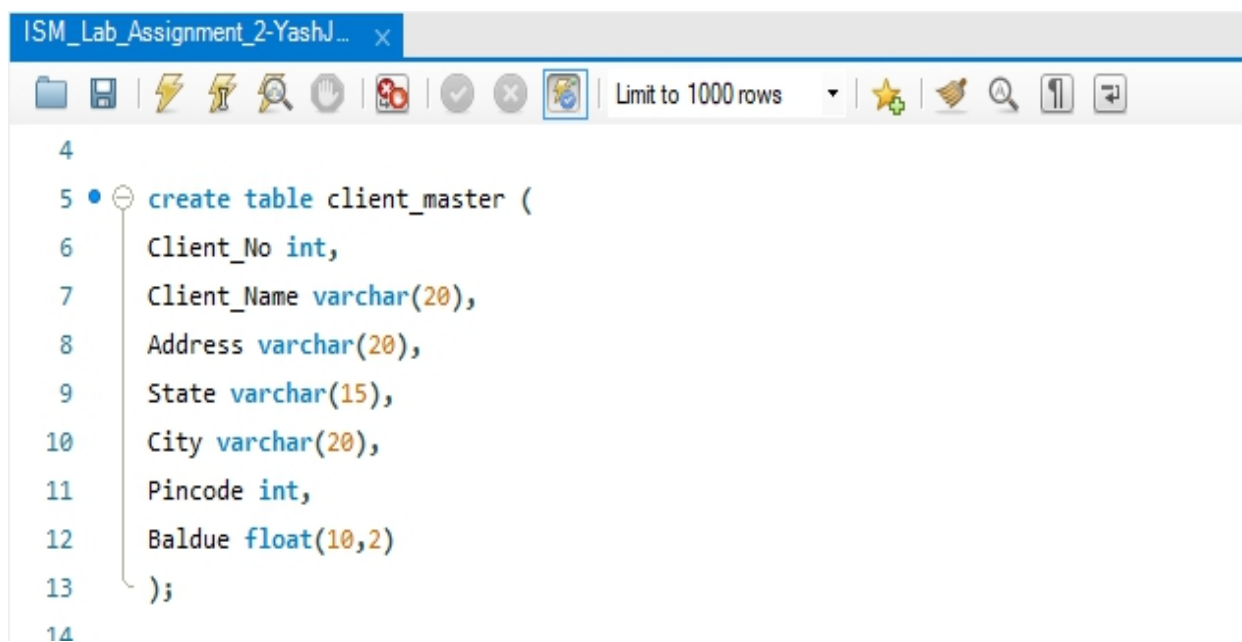
7	Display the client_no., city and pincode who belongs to Delhi.	
8	Display the name and Baldue of those clients who belongs to Rajasthan.	

## ASSIGNMENT 2 - BASIC TABLE COMMANDS II

**Task 1 : Create Table 'Client\_Master' with the following specifications:**

Column Name	Data Type
Client_ID	Int
Client_Name	Varchar(20)
Address	Varchar(20)
City	Varchar(20)
Pincode	Int
State	Varchar(15)
Baldue	Float(10,2)

The following task is completed using the 'create table' command.

A screenshot of a SQL IDE window titled 'ISM\_Lab\_Assignment\_2-YashJ...'. The window has a toolbar with various icons including a folder, save, undo, redo, search, and a 'Limit to 1000 rows' dropdown. The main area displays a SQL command to create a table named 'client\_master'. The command is as follows:

```
4  
5 • create table client_master (  
6     Client_No int,  
7     Client_Name varchar(20),  
8     Address varchar(20),  
9     State varchar(15),  
10    City varchar(20),  
11    Pincode int,  
12    Baldue float(10,2)  
13 );  
14
```

**Task 2: Insert any 5 rows in the above columns.**

The given task can be completed using the 'insert into' command.

```

14
15 • insert into client_master (Client_No,Client_Name,Address,State,City,Pincode,Baldue)
16 values ('100','Yash Jain','Ecovillage 1','Uttar Pradesh','Noida',201306,10523.42);
17
18 • insert into client_master (Client_No,Client_Name,Address,State,City,Pincode,Baldue)
19 values ('101','Elon Musk','Ecovillage 2','Delhi NCR','Delhi',201307,11673.77);
20
21 • insert into client_master (Client_No,Client_Name,Address,State,City,Pincode,Baldue)
22 values ('102','Ratan Tata','Ecovillage 3','Rajasthan','Jaipur',201308,3271.56);
23
24 • insert into client_master (Client_No,Client_Name,Address,State,City,Pincode,Baldue)
25 values ('103','Jeff Bezos','Ecovillage 4','Delhi NCR','Delhi',201309,1934.67);
26
27 • insert into client_master (Client_No,Client_Name,Address,State,City,Pincode,Baldue)
28 values ('104','Virat Kohli','Ecovillage 5','Haryana','Faridabad',201310,17835.83);
29

```

Output

Action Output

#	Time	Action	Message
3	10:20:42	insert into client_master (Client_No,Client_Name,Address,Stat...	1 row(s) affected
4	10:20:42	insert into client_master (Client_No,Client_Name,Address,Stat...	1 row(s) affected
5	10:20:42	insert into client_master (Client_No,Client_Name,Address,Stat...	1 row(s) affected
6	10:20:42	insert into client_master (Client_No,Client_Name,Address,Stat...	1 row(s) affected
7	10:20:43	insert into client_master (Client_No,Client_Name,Address,Stat...	1 row(s) affected

### Task 3: Select the whole table

This task can be completed by using the command ‘select’.

```

29
30 #selecting all values
31 • select * from client_master;
32
33
34
35

```

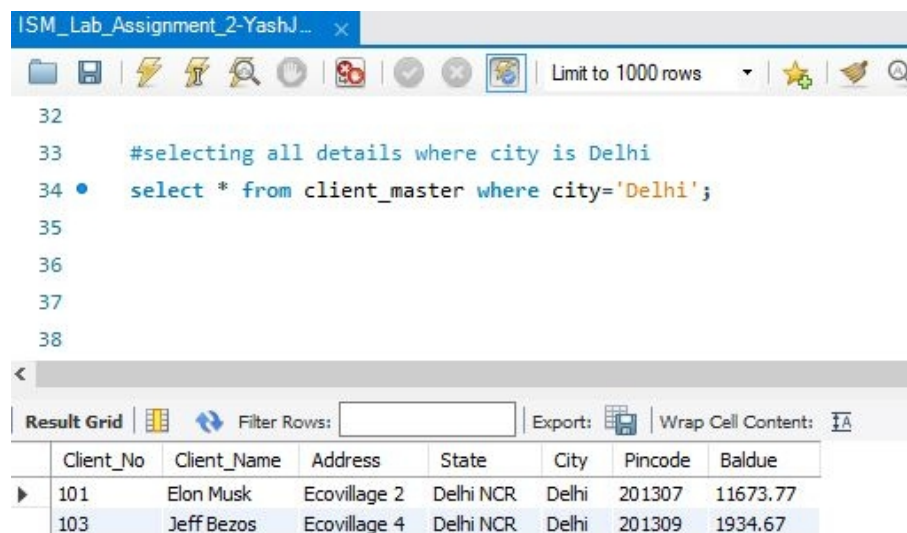
Result Grid

	Client_No	Client_Name	Address	State	City	Pincode	Baldue
▶	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10523.42
	101	Elon Musk	Ecovillage 2	Delhi NCR	Delhi	201307	11673.77
	102	Ratan Tata	Ecovillage 3	Rajasthan	Jaipur	201308	3271.56
	103	Jeff Bezos	Ecovillage 4	Delhi NCR	Delhi	201309	1934.67
	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83

#### Task 4: Display all the details where city is Delhi

This task can be completed by using the command **'select'**, with the **'where'** clause. Here, we will use 'where' clause for filtering the data of the table. After select, we write the names of columns separated by commas. The syntax for this clause is :

```
select column1,column2,.. . from table where columnname='value';  
(for specific columns)  
select * from table where columnname='value'; (for all columns)
```



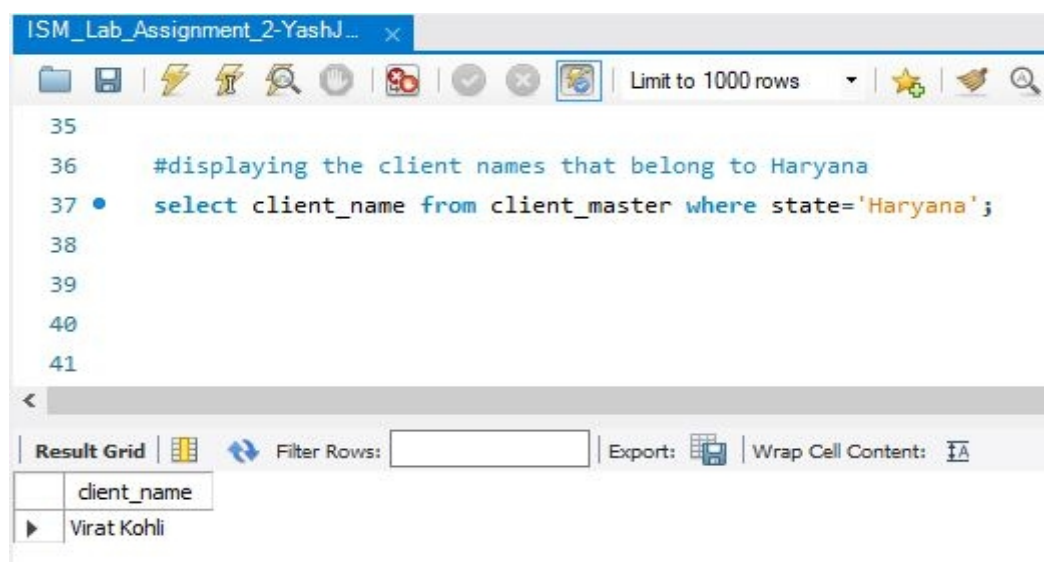
The screenshot shows a database query editor window titled "ISM\_Lab\_Assignment\_2-YashJ...". The query entered is: `#selecting all details where city is Delhi` followed by `select * from client_master where city='Delhi';`. The results are displayed in a table with 8 columns: Client\_No, Client\_Name, Address, State, City, Pincode, and Baldue. Two rows are shown: one for Elon Musk (Client\_No 101) and one for Jeff Bezos (Client\_No 103), both located in Delhi NCR.

Client_No	Client_Name	Address	State	City	Pincode	Baldue
101	Elon Musk	Ecovillage 2	Delhi NCR	Delhi	201307	11673.77
103	Jeff Bezos	Ecovillage 4	Delhi NCR	Delhi	201309	1934.67

Note: The statement after 'where', when you put the specific column value, we put inverted commas (') only when the data type of the column is char or varchar.

#### Task 5: Display the names of the client who belongs to 'Haryana'

This task can be completed by using the command **'select'**, with the **'where'** clause.



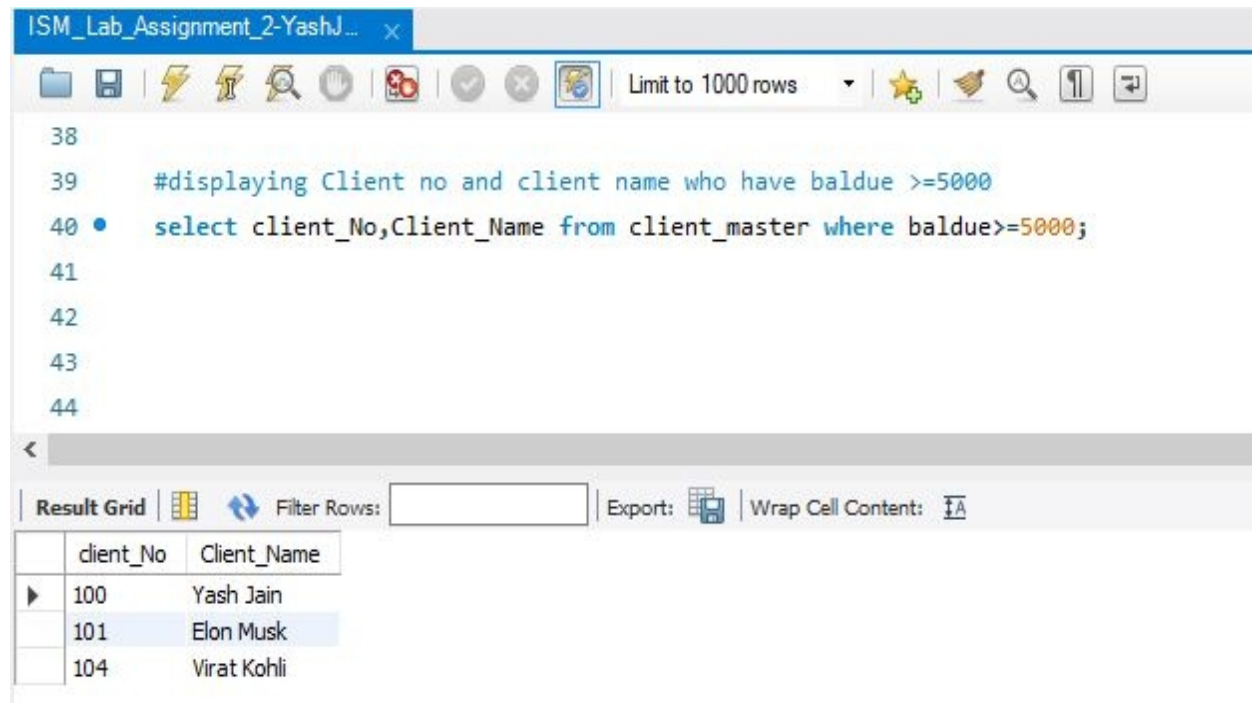
The screenshot shows a database query editor window titled "ISM\_Lab\_Assignment\_2-YashJ...". The query entered is: `#displaying the client names that belong to Haryana` followed by `select client_name from client_master where state='Haryana';`. The results are displayed in a table with 2 columns: client\_name. One row is shown: Virat Kohli.

client_name
Virat Kohli



**Task 6: Display the Client\_No. and name whose Baldue is greater than “5000”.**

This task can be completed by using the command ‘select’, with the ‘where’ clause. Here, since the column datatype is ‘int’, we won’t use inverted commas(''). Also, since the comparison parameter is greater than or equal to’, we would use ‘>=’ after ‘where’ clause.



The screenshot shows a database query editor window titled 'ISM\_Lab\_Assignment\_2-YashJ...'. The query is as follows:

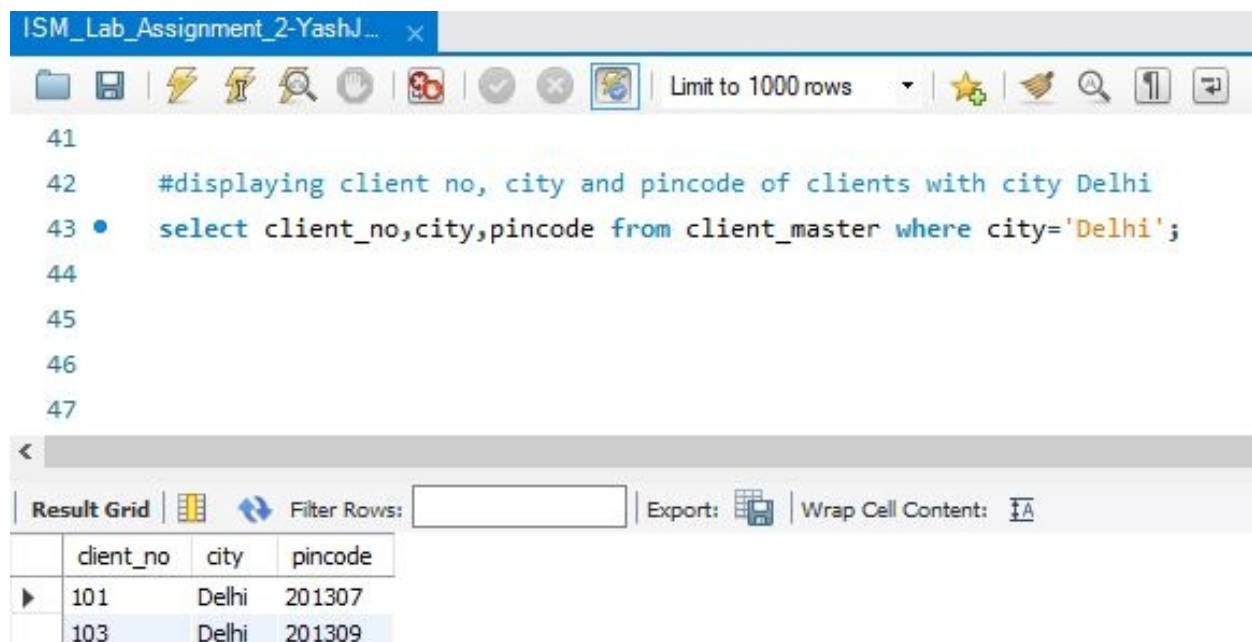
```
38  
39 #displaying Client no and client name who have baldue >=5000  
40 • select client_No,Client_Name from client_master where baldue>=5000;  
41  
42  
43  
44
```

Below the query editor, the 'Result Grid' is displayed, showing the results of the query:

	client_No	Client_Name
▶	100	Yash Jain
	101	Elon Musk
	104	Virat Kohli

**Task 7: Display the client\_no., city and pincode who belongs to Delhi**

This task can be completed by using the command ‘select’, with the ‘where’ clause.



The screenshot shows a database query editor window titled 'ISM\_Lab\_Assignment\_2-YashJ...'. The query is as follows:

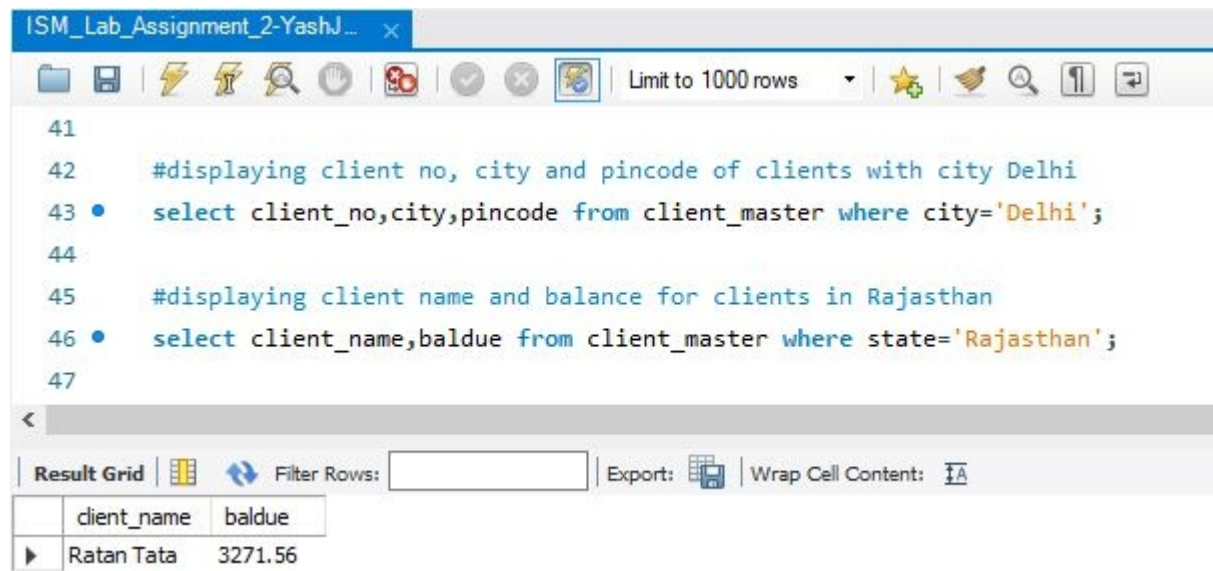
```
41  
42 #displaying client no, city and pincode of clients with city Delhi  
43 • select client_no,city,pincode from client_master where city='Delhi';  
44  
45  
46  
47
```

Below the query editor, the 'Result Grid' is displayed, showing the results of the query:

	client_no	city	pincode
▶	101	Delhi	201307
	103	Delhi	201309

### Task 8: Display the name and Baldue of those clients who belongs to Rajasthan

This task can be completed by using the command 'select', with the 'where' clause.



The screenshot shows a SQL IDE window titled 'ISM\_Lab\_Assignment\_2-YashJ...'. The editor contains two SQL queries. The first query is a comment: '#displaying client no, city and pincode of clients with city Delhi'. The second query is: 'select client\_no,city,pincode from client\_master where city='Delhi';'. Below the queries, there is a 'Result Grid' section. It has a 'Filter Rows' input field and an 'Export' button. The grid shows two columns: 'client\_name' and 'baldue'. The first row of data is 'Ratan Tata' with a value of '3271.56'.

```
41
42  #displaying client no, city and pincode of clients with city Delhi
43 • select client_no,city,pincode from client_master where city='Delhi';
44
45  #displaying client name and balance for clients in Rajasthan
46 • select client_name,baldue from client_master where state='Rajasthan';
47
```

client_name	baldue
Ratan Tata	3271.56