

**Information System Management Lab
BCOM 307**

Assignment #4

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Section: BCom 5A
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Assignment No.4

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.

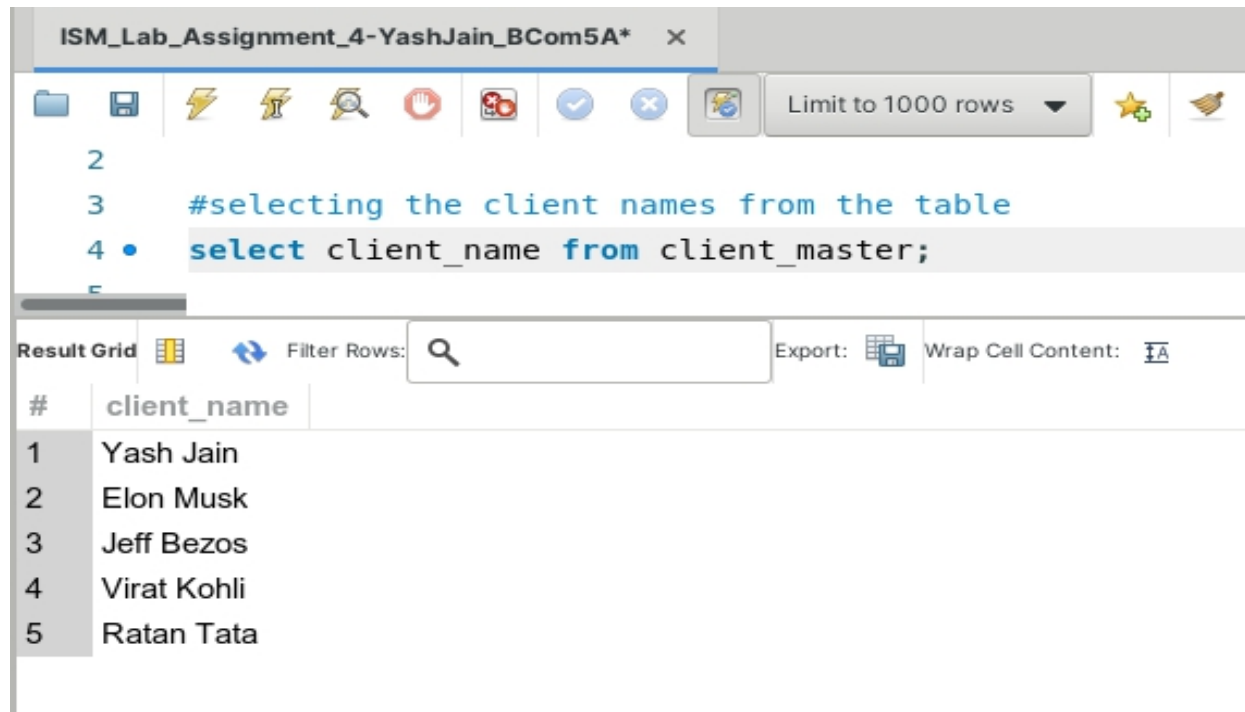
During online education mode, upload scanned copy of the complete assignment including cover page latest by due date.

QuestionNo.	Question	CO No.
1	Find out the names of all the clients.	CO1
2	Retrieve the entire contents of the client_master table.	
3	Retrieve the list of names and city of all the clients.	
4	Delete from client_master where the column state holds the value 'rajasthan'	
5	Insert a row into the table client_master where client no is 107, name is Max, city is Mumbai, pincode is 400054, State is Maharashtra, balance due is 15500.	
6	Delete all the records from client_master table with bal due < 10,000.	

ASSIGNMENT 4 - PRACTICE FOR BASIC TABLE COMMANDS

Task 1 : Find out the names of all the clients.

The following task is completed using the 'select' command.



The screenshot shows a database application window titled "ISM_Lab_Assignment_4-YashJain_BCom5A*". The SQL editor contains the following code:

```

2
3  #selecting the client names from the table
4 • select client_name from client_master;
5

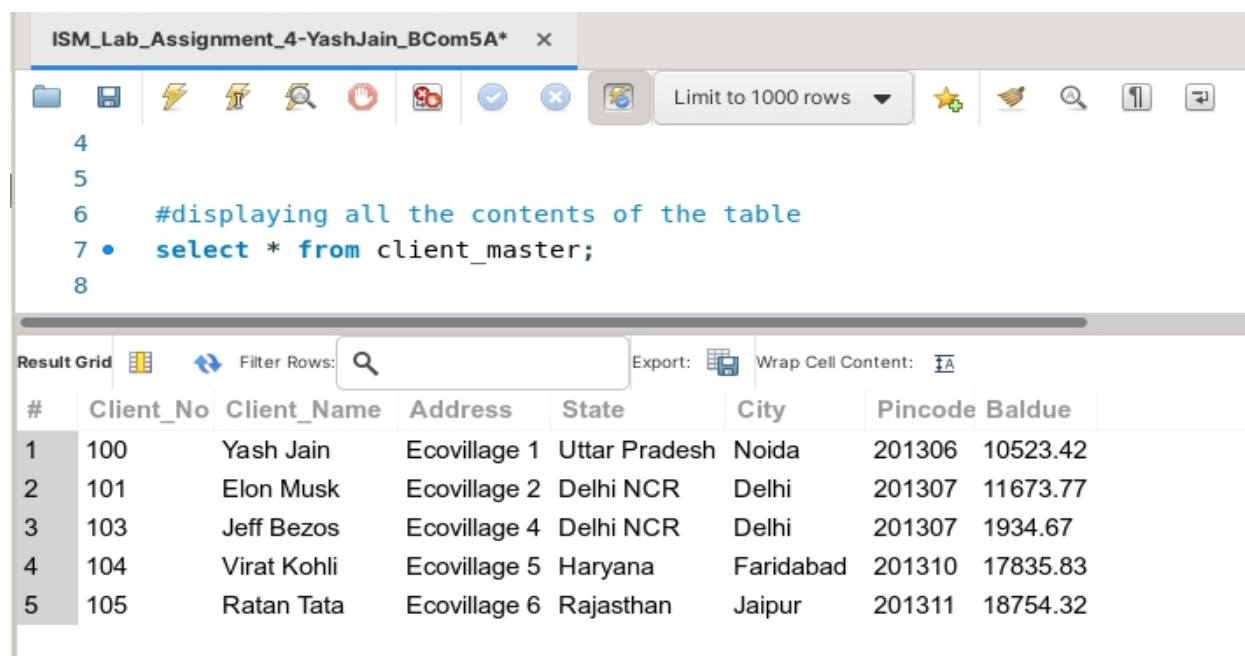
```

The "Result Grid" shows the output of the query:

#	client_name
1	Yash Jain
2	Elon Musk
3	Jeff Bezos
4	Virat Kohli
5	Ratan Tata

Task 2: Retrieve the entire contents of the client_master table.

The given task can be completed using the 'select' command.



The screenshot shows the same database application window. The SQL editor contains the following code:

```

4
5
6  #displaying all the contents of the table
7 • select * from client_master;
8

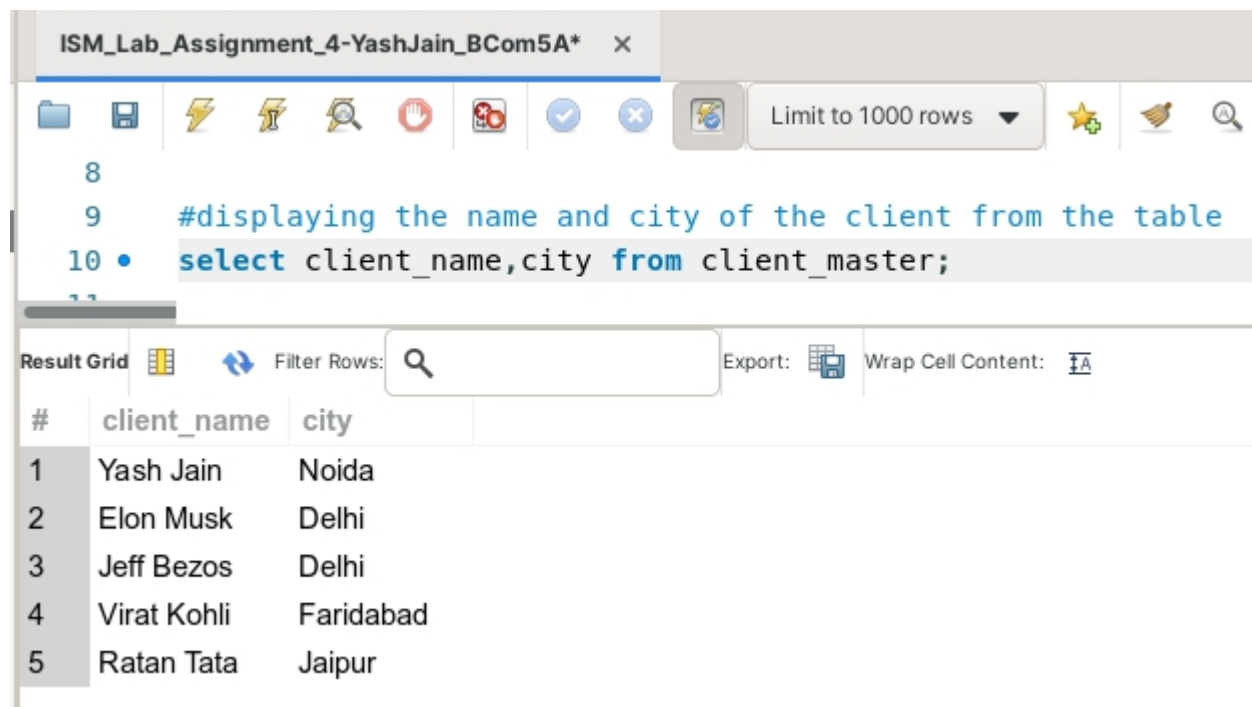
```

The "Result Grid" shows the output of the query:

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10523.42
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Delhi	201307	11673.77
3	103	Jeff Bezos	Ecovillage 4	Delhi NCR	Delhi	201307	1934.67
4	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83
5	105	Ratan Tata	Ecovillage 6	Rajasthan	Jaipur	201311	18754.32

Task 3: Retrieve the list of names and city of all the clients.

This task can be completed by using the command 'select'.



The screenshot shows a database query editor window titled "ISM_Lab_Assignment_4-YashJain_BCom5A*". The query editor contains the following SQL code:

```

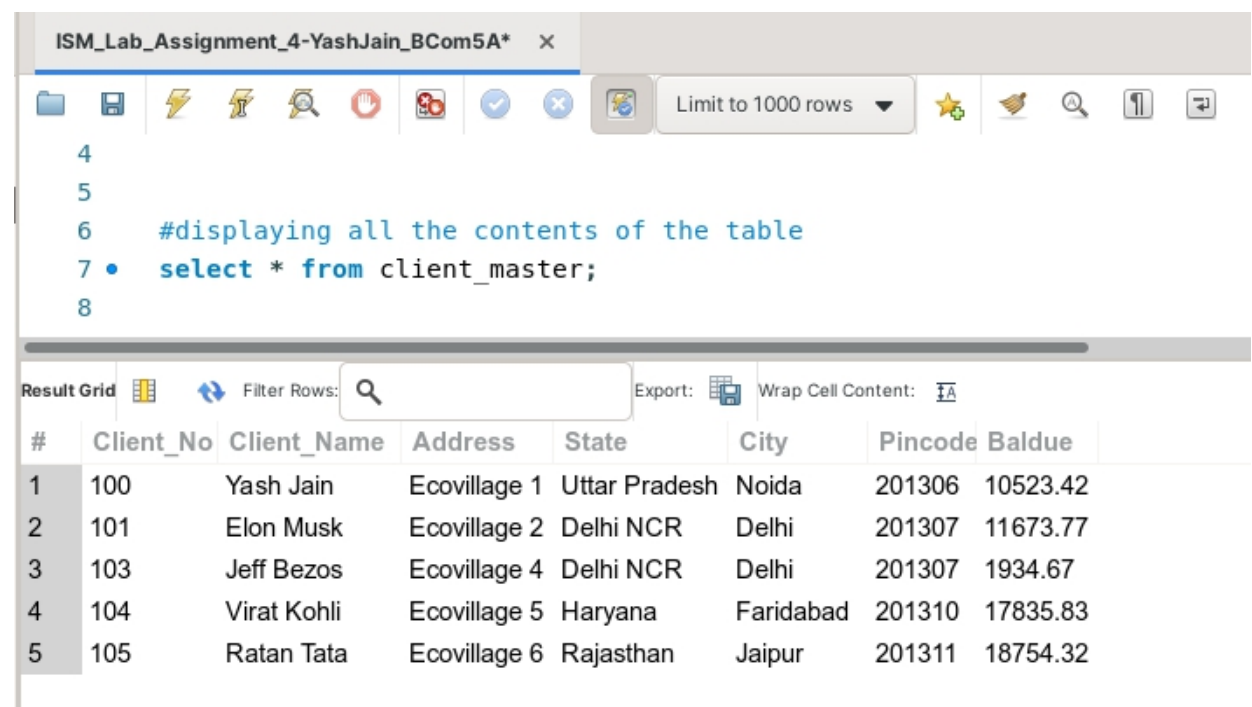
8
9  #displaying the name and city of the client from the table
10 • select client_name,city from client_master;

```

Below the query editor, the "Result Grid" is displayed, showing the results of the query. The grid has columns for "#", "client_name", and "city". The results are as follows:

#	client_name	city
1	Yash Jain	Noida
2	Elon Musk	Delhi
3	Jeff Bezos	Delhi
4	Virat Kohli	Faridabad
5	Ratan Tata	Jaipur

Task 4: Delete from client_master where the column state holds the value 'rajasthan'.



The screenshot shows a database query editor window titled "ISM_Lab_Assignment_4-YashJain_BCom5A*". The query editor contains the following SQL code:

```

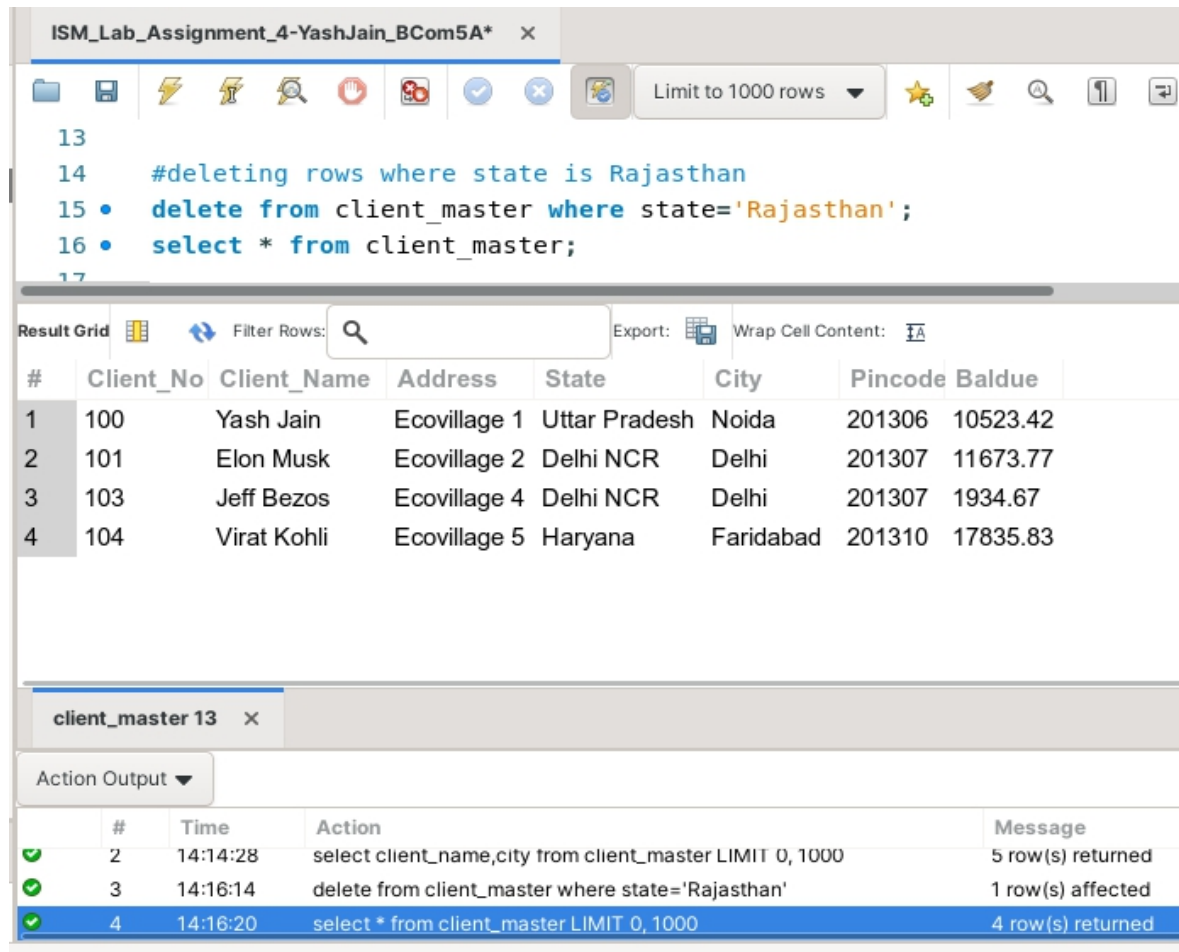
4
5
6  #displaying all the contents of the table
7 • select * from client_master;
8

```

Below the query editor, the "Result Grid" is displayed, showing the results of the query. The grid has columns for "#", "Client_No", "Client_Name", "Address", "State", "City", "Pincode", and "Baldue". The results are as follows:

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10523.42
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Delhi	201307	11673.77
3	103	Jeff Bezos	Ecovillage 4	Delhi NCR	Delhi	201307	1934.67
4	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83
5	105	Ratan Tata	Ecovillage 6	Rajasthan	Jaipur	201311	18754.32

(before deletion)



```

13
14 #deleting rows where state is Rajasthan
15 • delete from client_master where state='Rajasthan';
16 • select * from client_master;
17

```

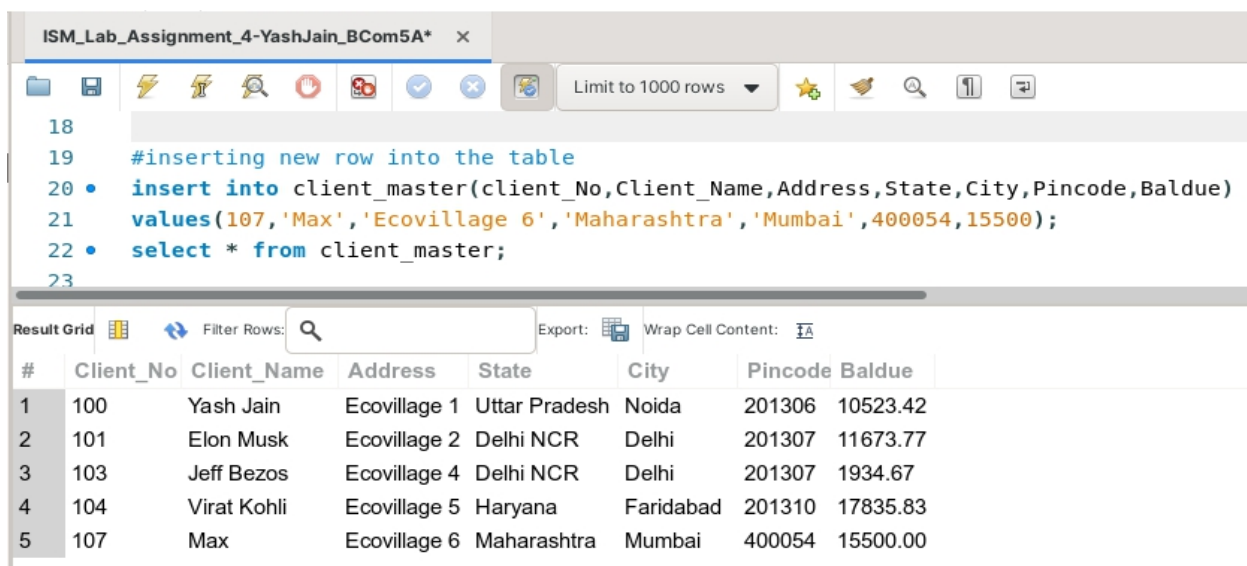
#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10523.42
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Delhi	201307	11673.77
3	103	Jeff Bezos	Ecovillage 4	Delhi NCR	Delhi	201307	1934.67
4	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83

#	Time	Action	Message
2	14:14:28	select client_name,city from client_master LIMIT 0, 1000	5 row(s) returned
3	14:16:14	delete from client_master where state='Rajasthan'	1 row(s) affected
4	14:16:20	select * from client_master LIMIT 0, 1000	4 row(s) returned

(after deletion)

Task 5: Insert a row into the table client_master where client no is 107,name is Max, city is Mumbai, pincode is 400054, State is Maharashtra, balance due is 15500.

To complete this task, we use the 'insert into' keyword, along with the 'values' clause.



```

18
19 #inserting new row into the table
20 • insert into client_master(client_No,Client_Name,Address,State,City,Pincode,Baldue)
21 values(107,'Max','Ecovillage 6','Maharashtra','Mumbai',400054,15500);
22 • select * from client_master;
23

```

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10523.42
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Delhi	201307	11673.77
3	103	Jeff Bezos	Ecovillage 4	Delhi NCR	Delhi	201307	1934.67
4	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83
5	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	15500.00

Task 6: Delete all the records from client_master table with baldue <10,000.

To complete this task, we use the 'delete' keyword, along with the 'where' clause.

The screenshot shows a SQL query editor with the following code:

```
23  
24 #deleting records where balance is less than 10000  
25 • select * from client_master;  
26 • delete from client_master where Baldue<10000;  
27
```

Below the editor is the 'Result Grid' showing the data in the client_master table before deletion:

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10523.42
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Delhi	201307	11673.77
3	103	Jeff Bezos	Ecovillage 4	Delhi NCR	Delhi	201307	1934.67
4	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83
5	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	15500.00

(before deletion)

The screenshot shows the same SQL query editor as before, with the same code:

```
23  
24 #deleting records where balance is less than 10000  
25 • select * from client_master;  
26 • delete from client_master where Baldue<10000;  
27
```

Below the editor is the 'Result Grid' showing the data in the client_master table after deletion:

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10523.42
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Delhi	201307	11673.77
3	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83
4	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	15500.00

Below the Result Grid is the 'client_master 16' tab, which shows the 'Action Output' table:

#	Time	Action	Message
7	14:19:22	select * from client_master LIMIT 0, 1000	5 row(s) returned
8	14:21:18	delete from client_master where Baldue<10000	1 row(s) affected
9	14:21:22	select * from client_master LIMIT 0, 1000	4 row(s) returned

(after deletion)