

**Information System Management Lab
BCOM 307**

Assignment #8

Submitted by:

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Semester: B.Com(H) 5th Semester
Class: B.COM(H)
Section: B.Com 5A
Date of Submission: 01/10/2021

Submitted to:

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Department of Commerce

Academic Year: 2020-21

Semester: Vth

Assignment No.8

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 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	Update the city to Mumbai of client with client ID 101.	CO1
2	Update the baldue to 10,000 of all clients belonging to Mumbai from the client_master table.	
3	Update the baldue to 10,000 for all the clients.	
4	Insert a new row in client_master table.	
5	Increase the baldue of all clients by 10% in the client_master table.	
6	Display distinct city name in client_master table.	
7	Delete record from client_master where baldue is less than 10,000.	

ASSIGNMENT 8 - UPDATE COMMAND**Task 1 : Update the city to Mumbai of client with client ID 101.**

The following task is completed using the 'update' command, along with the 'SET' keyword, and the 'where' clause. The 'update' command is used to update records from table. It is used to change / modify data values in a table. We can update all records and/or specific records. The 'set' keyword is used after update command, to modify the data values. The syntax for this is:

`Update <tablename> SET column_name=value; (for modifying all records)`

`Update <tablename> SET column_name=value where <condition>; (for modifying specific records)`

The screenshot shows a database management tool interface. The title bar reads "ISM_Lab_Assignment_8-YashJain_BCom5A". The toolbar includes icons for file operations, a search icon, and a "Limit to 1000 rows" dropdown. The SQL editor contains the following commands:

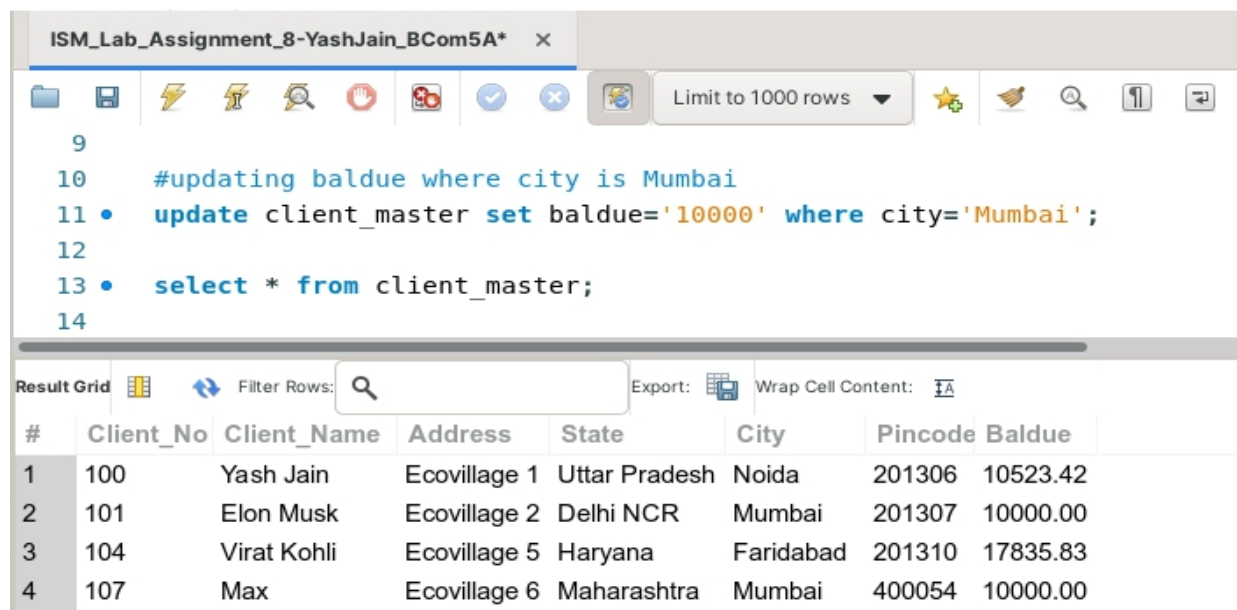
```
4  
5 #updating city to Mumbai for client with client_ID=101  
6 • update client_master set city='Mumbai' where Client_No=101;  
7  
8 • select * from client_master;  
9
```

Below the editor is the "Result Grid" section, which includes a search bar, an "Export" button, and a "Wrap Cell Content" checkbox. The grid displays the following data:

#	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	Mumbai	201307	11673.77
3	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83
4	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	15500.00

Task 2: Update the baldue to 10,000 of all clients belonging to Mumbai from the client_master table.

The following task is completed using the 'update' command, along with the 'SET' keyword, and the 'where' clause.



The screenshot shows a database management tool interface. The top toolbar includes icons for file operations, a search bar, and a 'Limit to 1000 rows' dropdown. The SQL editor contains the following commands:

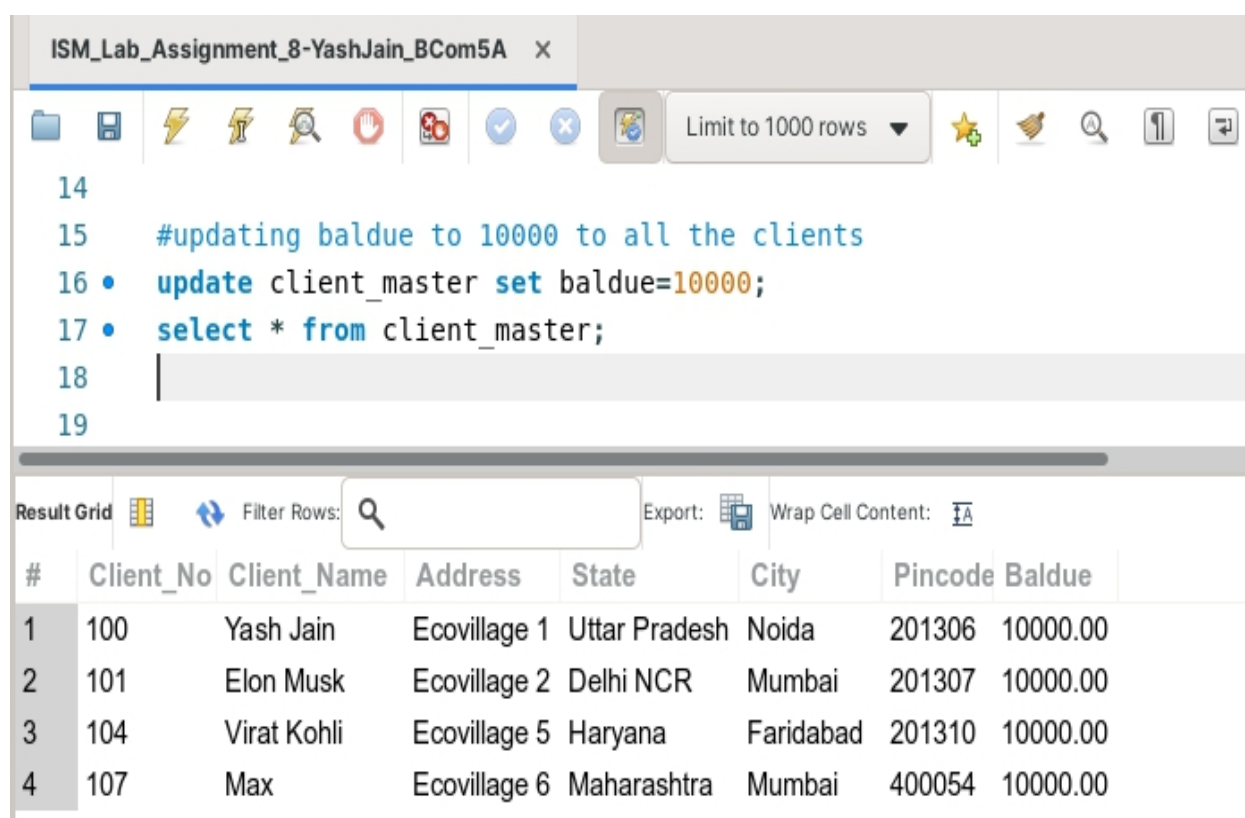
```
9
10 #updating baldue where city is Mumbai
11 • update client_master set baldue='10000' where city='Mumbai';
12
13 • select * from client_master;
14
```

Below the editor is the 'Result Grid' with a search bar and 'Export' and 'Wrap Cell Content' options. The grid displays the following data:

#	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	Mumbai	201307	10000.00
3	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	17835.83
4	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	10000.00

Task 3: Update the baldue to 10,000 for all the clients.

This task can be completed using the ‘**update**’ command along with the ‘**SET**’ keyword.



The screenshot shows the same database management tool interface. The SQL editor contains the following commands:

```
14
15 #updating baldue to 10000 to all the clients
16 • update client_master set baldue=10000;
17 • select * from client_master;
18
19
```

Below the editor is the 'Result Grid' with a search bar and 'Export' and 'Wrap Cell Content' options. The grid displays the following data:

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10000.00
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Mumbai	201307	10000.00
3	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	10000.00
4	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	10000.00

Task 4: Insert a new row in client_master table.

This task can be completed using the ‘**insert into**’ command, along with the ‘**values**’ keyword.

ISM_Lab_Assignment_8-YashJain_BCom5A x

Limit to 1000 rows

```
24
25 #inserting new row into client master table
26 • insert into client_master(client_no,client_name,address,state,city,pincode,baldue)
27 values(108,'Ratan Tata','Ecovillage 7','Delhi NCR','Delhi',201311,11324.52);
28
29 • select * from client_master;
```

Result Grid

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	10000.00
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Mumbai	201307	10000.00
3	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	10000.00
4	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	10000.00
5	108	Ratan Tata	Ecovillage 7	Delhi NCR	Delhi	201311	11324.52

Task 5: Increase the baldue of all clients by 10% in the client_master table.

This task can be completed using the 'update' command, with the 'SET' keyword.

ISM_Lab_Assignment_8-YashJain_BCom5A x

Limit to 1000 rows

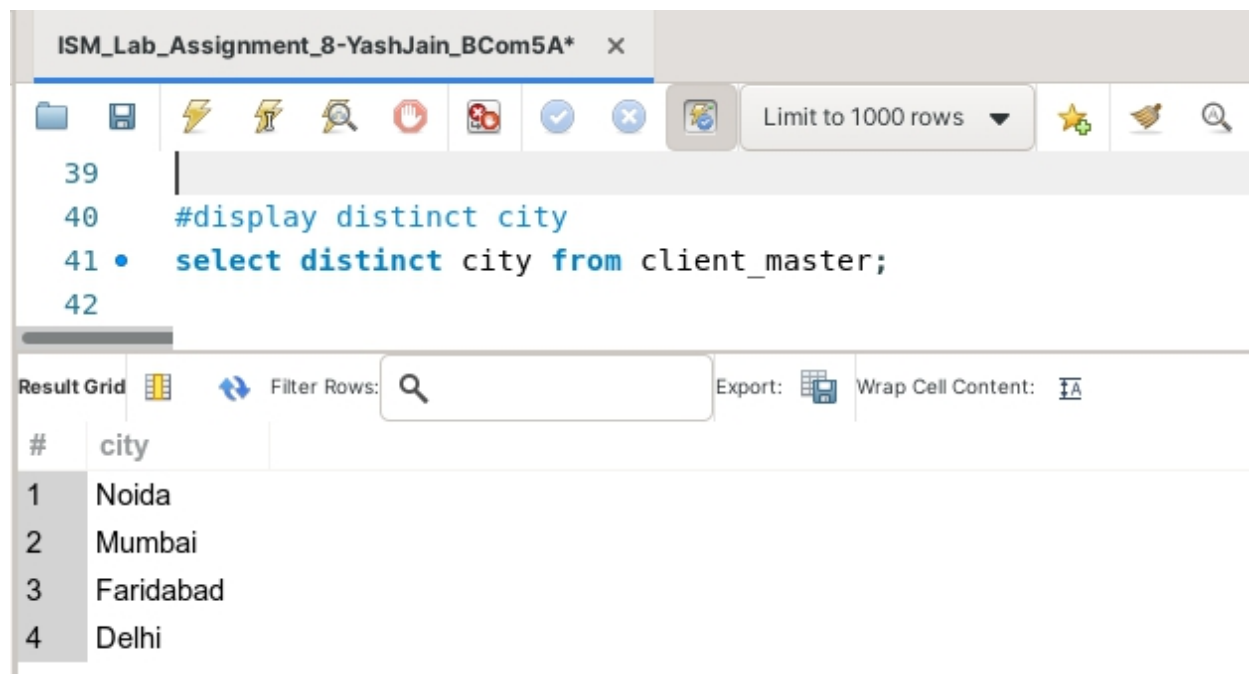
```
30
31 #increasing baldue by 10%
32 • update client_master set baldue=baldue*1.1;
33 • select * from client_master;
```

Result Grid

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	11000.00
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Mumbai	201307	11000.00
3	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	11000.00
4	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	11000.00
5	108	Ratan Tata	Ecovillage 7	Delhi NCR	Delhi	201311	12456.40

Task 6: Display distinct city name in client_master table.

This task can be completed using the 'select' command along with the 'distinct' keyword.

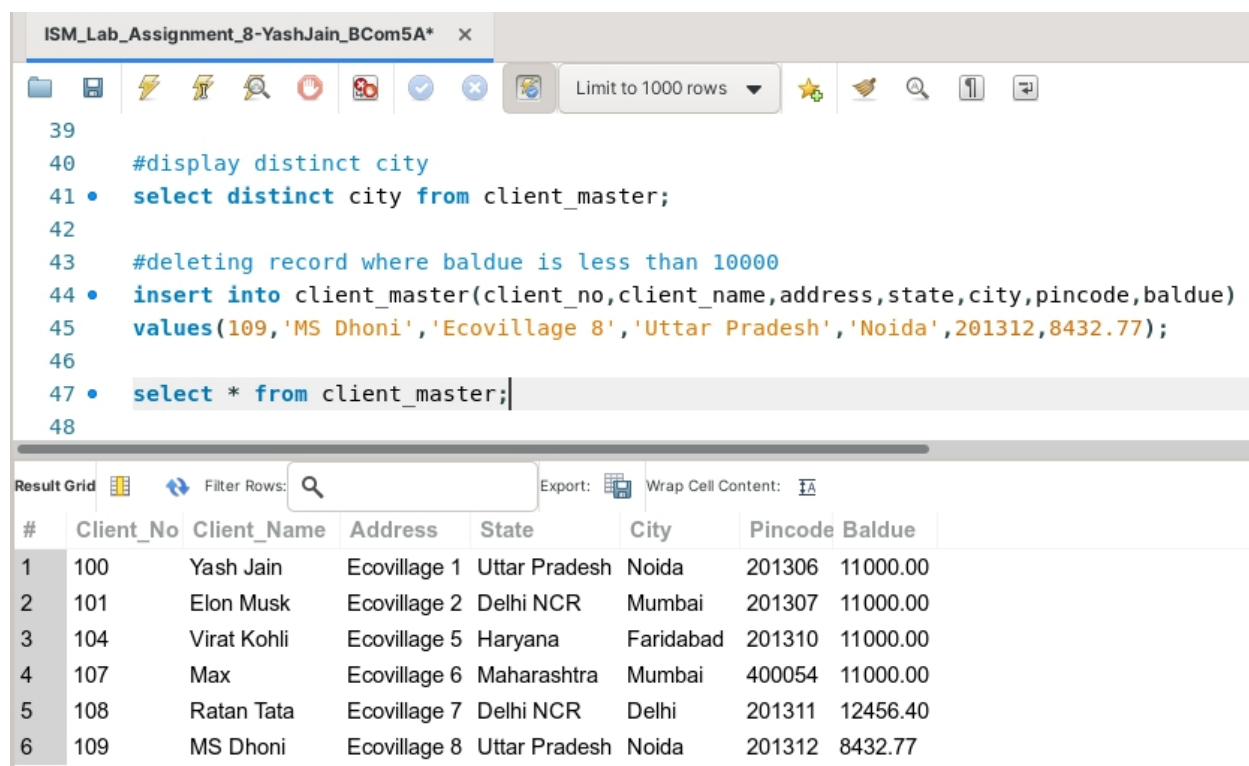


```
39
40 #display distinct city
41 • select distinct city from client_master;
42
```

#	city
1	Noida
2	Mumbai
3	Faridabad
4	Delhi

Task 7: Delete record from client_master where baldue is less than 10,000.

This task can be completed using the 'delete from' command, along with the 'where' clause.



```
39
40 #display distinct city
41 • select distinct city from client_master;
42
43 #deleting record where baldue is less than 10000
44 • insert into client_master(client_no,client_name,address,state,city,pincode,baldue)
45 values(109,'MS Dhoni','Ecovillage 8','Uttar Pradesh','Noida',201312,8432.77);
46
47 • select * from client_master;
48
```

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	11000.00
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Mumbai	201307	11000.00
3	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	11000.00
4	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	11000.00
5	108	Ratan Tata	Ecovillage 7	Delhi NCR	Delhi	201311	12456.40
6	109	MS Dhoni	Ecovillage 8	Uttar Pradesh	Noida	201312	8432.77

(before deletion)

ISM_Lab_Assignment_8-YashJain_BCom5A* X

Limit to 1000 rows

```

42
43 #deleting record where baldue is less than 10000
44 • insert into client_master(client_no,client_name,address,state,city,pincode,baldue)
45 values(109,'MS Dhoni','Ecovillage 8','Uttar Pradesh','Noida',201312,8432.77);
46
47 • select * from client_master;
48
49 • delete from client_master where baldue<10000;
50 • select * from client_master;
51

```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

#	Client_No	Client_Name	Address	State	City	Pincode	Baldue
1	100	Yash Jain	Ecovillage 1	Uttar Pradesh	Noida	201306	11000.00
2	101	Elon Musk	Ecovillage 2	Delhi NCR	Mumbai	201307	11000.00
3	104	Virat Kohli	Ecovillage 5	Haryana	Faridabad	201310	11000.00
4	107	Max	Ecovillage 6	Maharashtra	Mumbai	400054	11000.00
5	108	Ratan Tata	Ecovillage 7	Delhi NCR	Delhi	201311	12456.40

(after deletion)