

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 2

Institute of Computer Technology B. Tech Computer Science and Engineering

Sub: Database Management System (2CSE301)

Practical 2: Performing Deletion, Modifying, Altering, Updating and Viewing records based on conditions on tables.

Scenario : Mohan is reviewing the work done till now and suggest IT Company to create one more table named Employee to have their records. They are applying CRUD Operation i.e. changes in table structure and data modified with different fields.

Exercise:

Solve the following queries using the database given in practical 1.

A) Retrieving records from table.

- 1) Find out the names of all clients.

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The screenshot shows the Visual Studio Code interface with a dark theme. On the left is the sidebar with icons for file operations like Open, Save, and Find. The main area has a tab bar with 'prac_2.sql' and 'prac_2.sql'. Below the tabs is a status bar showing 'mariadb:yash: select C_Name from client_info;'. The code editor contains the following SQL query:

```
1 select C_Name from client_info;
```

To the right of the code editor is a results pane titled 'mariadb:yash: select C_Name from client_info;'. It displays a table with one column, 'C_Name', containing the following data:

C_Name
Ivan
Vandana
Pramada
Basu
Ravi
Rukmani

At the bottom of the interface are buttons for 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'. The status bar at the bottom right shows 'Ln 1, Col 32 (31 selected) Spaces: 5 UTF-8 LF SQL'.

2) Retrieve the list of names and the cities of all the clients

This screenshot is similar to the previous one, showing the Visual Studio Code interface with a dark theme. The code editor contains two SQL queries:

```
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
```

The results pane shows two tables side-by-side. The first table, titled 'mariadb:yash: select C_Name from client_info;', has one column 'C_Name' with the same data as before. The second table, titled 'mariadb:yash: select C_Name,City from client_info;', has two columns: 'C_Name' and 'City'. The data is as follows:

C_Name	City
Ivan	Bombay
Vandana	Madras
Pramada	Bombay
Basu	Bombay
Ravi	Delhi
Rukmani	Bombay

At the bottom of the interface are buttons for 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'. The status bar at the bottom right shows 'Ln 3, Col 1 (36 selected) Spaces: 5 UTF-8 LF SQL'.

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3) List the various products available from the product_master table.

The screenshot shows a Visual Studio Code interface with a dark theme. On the left is a file explorer with a single file named 'prac_2.sql'. The main area contains the following SQL code:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
  1 select C_Name from client_info;
  2
  3 select C_Name,City from client_info;
  4
  5 select Descriptionn from product_info;
```

To the right of the code editor is a sidebar titled 'Descriptionn' which lists various product categories: Sound card, Monitor, Mouse, Networking Devices, Keyboards, webcams, and External_devices. Below the code editor, there are tabs for 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'. At the bottom, status information includes 'Ln 5, Col 39 (38 selected)', 'Spaces: 5', 'UTF-8', 'LF', 'SQL', and a refresh icon.

4) List all the clients who are located in Bombay.

The screenshot shows a Visual Studio Code interface with a dark theme. On the left is a file explorer with a single file named 'prac_2.sql'. The main area contains the following SQL code:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
  1 select C_Name from client_info;
  2
  3 select C_Name,City from client_info;
  4
  5 select Descriptionn from product_info;
  6
  7 select C_Name from client_info where City="Bombay";
```

To the right of the code editor is a sidebar titled 'C_Name' which lists client names: Ivan, Pramada, Basu, and Rukmani. Below the code editor, tabs for 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN' are visible. At the bottom, status information includes 'Ln 7, Col 52 (51 selected)', 'Spaces: 5', 'UTF-8', 'LF', 'SQL', and a refresh icon.

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5) Find the names of the salesman who have a salary equal to Rs. 3000

A screenshot of the Visual Studio Code interface. The left pane shows a file named 'prac_2.sql' with the following code:prac_2.sql - DBMS - Visual Studio Code
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Description from product_info;
6
7 select C_Name from client_info where City='Bombay';
8
9 select S_name from salesman_info where Sal_amnt=3000;_
The right pane displays the results of a database query: 'mariadb-yash: select S_name from salesman_info where Sal_amnt=3000;'. The results show four rows: Kiran, Manish, and Ravi.

6) List out only unique values for the city of client_master table

A screenshot of the Visual Studio Code interface. The left pane shows a file named 'prac_2.sql' with the following code:prac_2.sql - DBMS - Visual Studio Code
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Description from product_info;
6
7 select C_Name from client_info where City='Bombay';
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;_
The right pane displays the results of a database query: 'mariadb-yash: select distinct City from client_info;'. The results show three unique rows: Bombay, Madras, and Delhi.

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7) Display product_master table according to the sell_price of product.

The screenshot shows a Visual Studio Code interface with a dark theme. On the left, there is a sidebar with icons for file operations like Open, Save, and Close. The main area has a tab bar with 'prac_2.sql' and 'prac_2.sql - DBMS - Visual Studio Code'. Below the tabs, the code editor contains the following SQL queries:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
  1 select C_Name from client_info;
  2
  3 select C_Name,City from client_info;
  4
  5 select Description from product_info;
  6
  7 select C_Name from client_info where City="Bombay";
  8
  9 select S_name from salesman_info where Sal_amnt=3000;
 10
 11 select distinct City from client_info;
 12
 13 select * from product_info order by sell_price;
```

On the right side, there is a preview pane showing a table with the following data:

Product_no	Descriptionn	P_percent	U_measure	Qty_on_hand	Reorder_lvL	Sell_price
P007	External_devices	4.00	Piece	64	20	90.00
P001	Sound card	5.00	Piece	100	20	525.00
P004	Networking Devices	5.00	Piece	100	20	525.00
P003	Mouse	5.00	Piece	20	5	1050.00
P005	Keyboards	2.00	Piece	10	3	3150.00
P006	webcams	6.00	Piece	10	3	5250.00
P002	Monitor	6.00	Piece	10	3	1200.00

8) Display product_master table according to the sell_price and cost_price.

The screenshot shows a Visual Studio Code interface with a dark theme. On the left, there is a sidebar with icons for file operations like Open, Save, and Close. The main area has a tab bar with 'prac_2.sql' and 'prac_2.sql - DBMS - Visual Studio Code'. Below the tabs, the code editor contains the following SQL queries:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
  1 select C_Name from client_info;
  2
  3 select C_Name,City from client_info;
  4
  5 select Description from product_info;
  6
  7 select C_Name from client_info where City="Bombay";
  8
  9 select S_name from salesman_info where Sal_amnt=3000;
 10
 11 select distinct City from client_info;
 12
 13 select * from product_info order by sell_price;
 14
 15 select * from product_info order by sell_price, cost_price;
```

On the right side, there is a preview pane showing a table with the following data:

Product_no	Descriptionn	P_percent	U_measure	Qty_on_hand	Reorder_lvL	Sell_price	Cost_price
P007	External_devices	4.00	Piece	64	20	90.00	420.00
P001	Sound card	5.00	Piece	100	20	525.00	500.00
P004	Networking Devices	5.00	Piece	100	20	525.00	500.00
P003	Mouse	5.00	Piece	20	5	1050.00	1000.00
P005	Keyboards	2.00	Piece	10	3	3150.00	3050.00
P006	webcams	6.00	Piece	10	3	5250.00	5100.00
P002	Monitor	6.00	Piece	10	3	1200.00	11280.00

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9) Display product_no, description in descending order of sell_price for product_master table.

The screenshot shows a Visual Studio Code interface with a dark theme. On the left, there's a sidebar with icons for file operations like Open, Save, and Close. The main area has a tab bar with 'prac_2.sql' and 'mariadb-yash'. The code editor contains several SQL queries:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql - DBMS - Visual Studio Code
prac_2.sql
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
```

To the right of the code editor is a preview pane titled 'mariadb-yash: select Product_no,Descriptionn from product_info order by sell_price desc;'. It displays a table with two columns: 'Product_no' and 'Descriptionn'. The data is as follows:

Product_no	Descriptionn
P002	Monitor
P006	webcams
P005	Keyboards
P003	Mouse
P001	Sound card
P004	Networking Devices
P007	External_devices

At the bottom of the interface, there are buttons for 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'. Status information at the bottom right includes 'Ln 17, Col 75', 'Spaces: 5', 'UTF-8', 'LF', 'SQL', and a refresh icon.

B) Updating records in a table.

1) Change the city of client_no'C002' to 'Bombay'.

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mariadb-yash: update client_info set City="Bombay" where Client_no="C002"; - DBMS - Visual Studio Code

File Edit Selection View Go Run Terminal Help

prac_2.sql

prac_2.sql

Run on active connection | Select block

```
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
```

Query returned 0 rows

mariadb-yash: select Client_no,City from client_info where Client_no="C002"; - DBMS - Visual Studio Code

File Edit Selection View Go Run Terminal Help

prac_2.sql

prac_2.sql

Run on active connection | Select block

```
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20
21 select Client_no,City from client_info where Client_no="C002";
```

Client_no City

Client_no	City
C002	Bombay

mariadb-yash: select Client_no,City from client_info where Client_no="C002"; - DBMS - Visual Studio Code

File Edit Selection View Go Run Terminal Help

prac_2.sql

prac_2.sql

Run on active connection | Select block

```
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20
21 select Client_no,City from client_info where Client_no="C002";
```

Client_no City

Client_no	City
C002	Bombay

CONSOLE RE-RUN QUERY EXPORT OPEN

1 of 1

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2) Change the bal_due of client_no'C001' to Rs.1000

The screenshot shows the Visual Studio Code interface with two tabs: 'prac_2.sql' and 'mariadb-yash'. The 'prac_2.sql' tab contains the following SQL code:

```
prac_2.sql - DBMS - Visual Studio Code
File Edit Selection View Go Run Terminal Help
prac_2.sql
prac_2.sql
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_Info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_Info order by sell_price;
14
15 select * from product_Info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
```

The 'mariadb-yash' tab shows the execution results:

```
mariadb-yash: update client_info set bal_due=1000 where Client_no="C001";
```

Query returned 0 rows

The screenshot shows the Visual Studio Code interface with two tabs: 'prac_2.sql' and 'mariadb-yash'. The 'prac_2.sql' tab contains the same SQL code as the previous screenshot.

The 'mariadb-yash' tab shows the execution results:

```
mariadb-yash: select Client_no,bal_due from client_info where Client_no="C001";
```

Client_no	bal_due
C001	1000.00

Below the table, there are buttons for 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'.

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3) Change the cost price of Floppies to Rs. 950.00

mariadb-yash: update product_info set cost_price=950.00 where Descriptionn="Webcams"; - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
```

Query returned 0 rows

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
26 select Descriptionn , cost_price from product_info where Descriptionn="Webcams";
```

Descriptionn	cost_price
webcams	950.00

CONSOLE RE-RUN QUERY EXPORT OPEN

Ln 26, Col 81 (80 selected) Spaces: 5 UTF-8 LF SQL

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4) Change the city of the salesman to Mumbai.

The screenshot shows the Visual Studio Code interface with a dark theme. A file named 'prac_2.sql' is open in the editor. The code contains various SQL queries, including selects from 'client_info', 'product_info', and 'salesman_info' tables, and updates to 'client_info' and 'salesman_info' tables. The update query for 'salesman_info' is:

```
update salesman_info set City="Mumbai";
```

The status bar at the bottom right indicates "Query returned 0 rows".

The screenshot shows the Visual Studio Code interface with a dark theme. A file named 'prac_2.sql' is open in the editor. The code is identical to the one in the previous screenshot. To the right of the editor, there is a preview pane titled "City" which lists the city names: Mumbai, Mumbai, Mumbai, and Mumbai. This indicates that the update query has been executed successfully.

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C) Deleting records in a table:

- 1) Delete all salesman from the salesman_master whose salaries are equal to Rs. 3500.

The screenshot shows a Visual Studio Code interface with a dark theme. On the left is a file explorer with a single file named 'prac_2.sql'. The main editor area contains the following SQL code:

```
prac_2.sql - DBMS - Visual Studio Code
File Edit Selection View Go Run Terminal Help
prac_2.sql
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Description from product_info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Description from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Description="Webcams";
26 select Description , cost_price from product_info where Description="Webcams";
27
28 update salesman_info set City="Mumbai";
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
```

To the right of the editor, there is a preview pane titled "City" showing the results of the query "select City from salesman_info". The results are:

City
Mumbai
Mumbai
Mumbai
Mumbai

At the bottom of the interface, there are tabs for CONSOLE, RE-RUN QUERY, EXPORT, and OPEN. The status bar at the bottom right shows "Ln 31, Col 47 (46 selected) Spaces: 5 UTF-8 LF SQL".

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prac_2.sql - DBMS - Visual Studio Code

File Edit Selection View Go Run Terminal Help

prac_2.sql x

prac_2.sql

Run on active connection | Select block

```
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_Info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
26 select Descriptionn , cost_price from product_info where Descriptionn="Webcams"
27
28 update salesman_info set City="Mumbai";
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
```

Yash: update salesman_info set City="Mumbai"; mariadb-Yash: select City from salesman_info; mariadb-Yash: select * from salesman_info;

S_no	S_name	Mobile_Number	City	Pincode	State	Sal_amnt
S001	Kiran	9406758943	Mumbai	380015	Gujarat	3000.00
S002	Manish	7865463728	Mumbai	400001	Gujarat	3000.00
S003	Ravi	9878905467	Mumbai	300032	Gujarat	3000.00
S004	Ashish	7987092134	Mumbai	600044	Gujarat	3500.00

CONSOLE RE-RUN QUERY EXPORT OPEN

Ln 32, Col 29 (28 selected) Spaces: 5 UTF-8 LF SQL

2) Delete all products from product_master where the quantity on hand is equal to 100.

The screenshot shows a Visual Studio Code window with the title "prac_2.sql - DBMS - Visual Studio Code". The left sidebar contains icons for file operations, search, and other development tools. The main editor area displays a SQL script with syntax highlighting. The script consists of several SELECT statements and one UPDATE statement. The right side of the interface shows a terminal window with the command "mariadb-yash: select * from salesman_info;" and its output, which is empty (Query returned 0 rows). The bottom status bar indicates the current file path as "prac_2.sql", the line number as "In 34 Col 48 (47 selected)", and the status as "Spaces: 5 UTE:8 LF: SQL".

```
File Edit Selection View Go Run Terminal Help
prac_2.sql x
prac_2.sql
Run on active connection | Select block
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_Info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
26 select Descriptionn , cost_price from product_info where Descriptionn="Webcams";
27
28 update salesman_info set City="Mumbai";
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
```

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The screenshot shows a Visual Studio Code window with a dark theme. On the left is a sidebar with icons for file operations like Open, Save, and Find. The main area has three tabs: 'prac_2.sql' (active), 'mariadb-yash: delete from product_info where qty_on_hand=100;', and 'mariadb-yash: select * from product_info;'. The 'prac_2.sql' tab contains the following SQL code:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
1 select C_Name from client_info;
2
3 select C_Name,City from client_info;
4
5 select Descriptionn from product_info;
6
7 select C_Name from client_info where City="Bombay";
8
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
26 select Descriptionn , cost_price from product_info where Descriptionn="Webcams"
27
28 update salesman_info set City="Mumbai";
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info_

```

On the right, there is a table titled 'product_info' with columns: Product_no, Descriptionn, P_percent, U_measure, Qty_on_hand, Reorder_lvL, and Sell_price. The data is as follows:

Product_no	Descriptionn	P_percent	U_measure	Qty_on_hand	Reorder_lvL	Sell_price
P002	Monitor	6.00	Piece	10	3	1200.00
P003	Mouse	5.00	Piece	20	5	1050.00
P005	Keyboards	2.00	Piece	10	3	3150.00
P006	webcams	6.00	Piece	10	3	5250.00
P007	External_devices	4.00	Piece	64	20	90.00

At the bottom, there are tabs for 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'. Status bar details include 'Ln 35, Col 28 (27 selected)', 'Spaces: 5', 'UTF-8', 'LF', 'SQL', and '1-6 of 5'.

3) Delete from client_master where the column state holds the value 'Tamil Nadu'.

The screenshot shows a Visual Studio Code window with a dark theme. The interface is similar to the previous one, with a sidebar, tabs for 'prac_2.sql' and 'mariadb-yash: delete from client_info where State="Tamil Nadu";', and a table view on the right. The 'prac_2.sql' tab now includes the final line of code:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no,Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
26 select Descriptionn , cost_price from product_info where Descriptionn="Webcams";
27
28 update salesman_info set City="Mumbai";
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
```

The table on the right shows the result of the query: 'Query returned 0 rows'.

At the bottom, there are tabs for 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'. Status bar details include 'Ln 37, Col 50 (49 selected)', 'Spaces: 5', 'UTF-8', 'LF', 'SQL', and '1-6 of 5'.

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DBMS Practical 2

The screenshot shows a Visual Studio Code window with a dark theme. On the left, there is a file tree with a single file named 'prac_2.sql'. The main area contains the following SQL code:

```
prac_2.sql - DBMS - Visual Studio Code
File Edit Selection View Go Run Terminal Help
prac_2.sql
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no, Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City='Bombay' where Client_no='C002';
20 select Client_no, City from client_info where Client_no='C002';
21
22 update client_info set bal_due=1000 where Client_no='C001';
23 select Client_no, bal_due from client_info where Client_no='C001';
24
25 update product_info set cost_price=950.00 where Descriptionn='Webcams';
26 select Descriptionn, cost_price from product_info where Descriptionn='Webcams'
27
28 update salesman_info set City='Mumbai';
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State='Tamil Nadu';
38 select * from client_info;
```

To the right of the code, there are three tabs showing the results of the executed queries:

- `yash: select * from product_info;`: Shows a table with columns Client_no, C_Name, City, Pincode, State, Bal_due, and Date_of_comme.
- `mariadb:yash: delete from client_info where State='Tamil Nadu';`: Shows a table with columns Client_no, C_Name, City, Pincode, State, Bal_due, and Date_of_comme. It lists rows for C001 (Ivan, Bombay, 400054, Maharashtra, 1000.00, 2021-01-04), C003 (Pramada, Bombay, 400057, Maharashtra, 5000.00, 2021-01-07), C004 (Basu, Bombay, 400056, Maharashtra, 0.00, 2021-01-09), C005 (Ravi, Delhi, 100001, Gujarat, 2000.00, 2021-01-11), and C006 (Rukmani, Bombay, 400050, Maharashtra, 0.00, 2021-01-12).
- `mariadb:yash: select * from client_info;`: Shows a table with columns Client_no, C_Name, City, Pincode, State, Bal_due, and Date_of_comme. This tab is currently selected and displays the same data as the second tab.

At the bottom of the interface, there are buttons for CONSOLE, RE-RUN QUERY, EXPORT, and OPEN. The status bar at the bottom right indicates "Ln 38, Col 27 (26 selected) Spaces: 5 UTF-8 LF SQL".

E) Altering the table structure:

- 1) Add a column called 'telephone' of datatype 'number' and size=10 to the client_master table.

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prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no, Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no, City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no, bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
26 select Descriptionn, cost_price from product_info where Descriptionn="Webcams";
27
28 update salesman_info set City="Mumbai";
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
```

state="Tamil Nadu"; mariadb-yash: select * from client_info; mariadb-yash: alter table client_info add telephone numeric(10); ...

Query returned 0 rows

Ln 40, Col 51 (50 selected) Spaces: 5 UTF-8 LF SQL ⚙

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
9 select S_name from salesman_info where Sal_amnt=3000;
10
11 select distinct City from client_info;
12
13 select * from product_info order by sell_price;
14
15 select * from product_info order by sell_price, cost_price;
16
17 select Product_no, Descriptionn from product_info order by sell_price desc;
18
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no, City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no, bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
26 select Descriptionn, cost_price from product_info where Descriptionn="Webcams";
27
28 update salesman_info set City="Mumbai";
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
41 desc client_info;
```

sh: select * from client_info; mariadb-yash: alter table client_info add telephone numeric(10); mariadb-yash: desc client_info; ...

Field	Type	Null	Key	Default	Extra
Client_no	varchar(6)	YES	NO	NULL	
C_Name	char(20)	YES	NO	NULL	
City	varchar(15)	YES	NO	NULL	
Pincode	decimal(8,0)	YES	NO	NULL	
State	varchar(15)	YES	NO	NULL	
Bal_due	decimal(10,2)	YES	NO	NULL	
Date_of_commencem...	date	YES	NO	NULL	
telephone	decimal(10,0)	YES	NO	NULL	

CONSOLE RE-RUN QUERY EXPORT OPEN

Ln 41, Col 18 (17 selected) Spaces: 5 UTF-8 LF SQL ⚙

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2) Change the size of sell_price column in product_master to 10,2.

The screenshot shows a Visual Studio Code window with two tabs: 'prac_2.sql' and 'mariadb-yash: alter table product_info modify sell_price numeric(10,2);'. The code in 'prac_2.sql' includes various SQL statements for managing tables like client_info, product_info, and salesman_info. The right pane shows the execution results of the last statement, which is an 'ALTER TABLE' command. The status bar at the bottom indicates 'Query returned 0 rows'.

```
File Edit Selection View Go Run Terminal Help
prac_2.sql - DBMS - Visual Studio Code
File Edit Selection View Go Run Terminal Help
prac_2.sql - DBMS - Visual Studio Code
11  select distinct City from client_info;
12
13  select * from product_info order by sell_price;
14
15  select * from product_info order by sell_price, cost_price;
16
17  select Product_no, Descriptionn from product_info order by sell_price desc;
18
19  update client_info set City='Bombay' where Client_no='C002';
20  select Client_no, City from client_info where Client_no='C002';
21
22  update client_info set bal_due=1000 where Client_no='C001';
23  select Client_no, bal_due from client_info where Client_no='C001';
24
25  update product_info set cost_price=950.00 where Descriptionn='Webcams';
26  select Descriptionn, cost_price from product_info where Descriptionn='Webcams';
27
28  update salesman_info set City='Mumbai';
29  select City from salesman_info;
30
31  delete from salesman_info where Sal_amnt=3500;
32  select * from salesman_info;
33
34  delete from product_info where qty_on_hand=100;
35  select * from product_info;
36
37  delete from client_info where State='Tamil Nadu';
38  select * from client_info;
39
40  alter table client_info add telephone numeric(10);
41  desc client_info;
42
43  alter table product_info modify sell_price numeric(10,2);
44  desc product_info;
```

This screenshot shows the same Visual Studio Code interface as the previous one, but with a different tab selected: 'mariadb-yash: desc product_info;'. This command displays the structure of the 'product_info' table. The table has columns for Product_no (varchar(20)), Descriptionn (varchar(50)), P_percent (decimal(4,2)), U_measure (varchar(20)), Qty_on_hand (decimal(8,0)), Reorder_Ml (decimal(8,0)), sell_price (decimal(10,2)), and Cost_price (decimal(8,2)). The right pane shows the results of the 'DESCRIBE' command, and the status bar at the bottom indicates 'Ln 44, Col 19 (18 selected)'.

```
File Edit Selection View Go Run Terminal Help
prac_2.sql - DBMS - Visual Studio Code
File Edit Selection View Go Run Terminal Help
prac_2.sql - DBMS - Visual Studio Code
11  select distinct City from client_info;
12
13  select * from product_info order by sell_price;
14
15  select * from product_info order by sell_price, cost_price;
16
17  select Product_no, Descriptionn from product_info order by sell_price desc;
18
19  update client_info set City='Bombay' where Client_no='C002';
20  select Client_no, City from client_info where Client_no='C002';
21
22  update client_info set bal_due=1000 where Client_no='C001';
23  select Client_no, bal_due from client_info where Client_no='C001';
24
25  update product_info set cost_price=950.00 where Descriptionn='Webcams';
26  select Descriptionn, cost_price from product_info where Descriptionn='Webcams';
27
28  update salesman_info set City='Mumbai';
29  select City from salesman_info;
30
31  delete from salesman_info where Sal_amnt=3500;
32  select * from salesman_info;
33
34  delete from product_info where qty_on_hand=100;
35  select * from product_info;
36
37  delete from client_info where State='Tamil Nadu';
38  select * from client_info;
39
40  alter table client_info add telephone numeric(10);
41  desc client_info;
42
43  alter table product_info modify sell_price numeric(10,2);
44  desc product_info;
```

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3) Rename column telephone to new name as contact for client_master table.

The screenshot shows a Visual Studio Code window with a dark theme. On the left is a sidebar with icons for file operations like Open, Save, and Find. The main area has a tab bar with 'prac_2.sql' and 'mariadb-yash: desc product_info'. The code editor contains a series of SQL statements. A status bar at the bottom right shows 'Query returned 0 rows'. The bottom navigation bar includes 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'.

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
19 update client_info set City='Bombay' where Client_no='C002';
20 select Client_no,City from client_info where Client_no='C002';
21
22 update client_info set bal_due=1000 where Client_no='C001';
23 select Client_no,bal_due from client_info where Client_no='C001';
24
25 update product_info set cost_price=950.00 where Descriptionn='Webcams';
26 select Descriptionn ,cost_price from product_info where Descriptionn='Webcams';
27
28 update salesman_info set City='Mumbai';
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State='Tamil Nadu';
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
41 desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
44 desc product_info;
45
46 alter table client_info rename column telephone to contact;
47 desc client_info;
```

prac_2.sql - DBMS - Visual Studio Code

mariadb-yash: alter table client_info rename column telephone to contact; ...

Query returned 0 rows

Ln 46, Col 61 (60 selected) Spaces: 5 UTF-8 LF SQL ...

This screenshot is similar to the one above, showing the same Visual Studio Code interface. The code editor contains the same SQL statements. A table definition is overlaid on the right side of the screen, showing the structure of the 'client_info' table. The bottom navigation bar includes 'CONSOLE', 'RE-RUN QUERY', 'EXPORT', and 'OPEN'.

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
19 update client_info set City='Bombay' where Client_no='C002';
20 select Client_no,City from client_info where Client_no='C002';
21
22 update client_info set bal_due=1000 where Client_no='C001';
23 select Client_no,bal_due from client_info where Client_no='C001';
24
25 update product_info set cost_price=950.00 where Descriptionn='Webcams';
26 select Descriptionn ,cost_price from product_info where Descriptionn='Webcams';
27
28 update salesman_info set City='Mumbai';
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State='Tamil Nadu';
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
41 desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
44 desc product_info;
45
46 alter table client_info rename column telephone to contact;
47 desc client_info;
```

prac_2.sql - DBMS - Visual Studio Code

mariadb-yash: alter table client_info rename column telephone to contact; mariadb-yash: desc client_info; ...

Field	Type	Null	Key	Default	Extra
Client_no	varchar(6)	YES		NULL	
C_Name	char(20)	YES		NULL	
City	varchar(15)	YES		NULL	
Pincode	decimal(8,0)	YES		NULL	
State	varchar(15)	YES		NULL	
Bal_due	decimal(10,2)	YES		NULL	
Date_of_commencement	date	YES		NULL	
contact	decimal(10,0)	YES		NULL	

CONSOLE RE-RUN QUERY EXPORT OPEN

Ln 47, Col 18 (17 selected) Spaces: 5 UTF-8 LF SQL ...

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4) Delete column contact from client_master table.

The screenshot shows a Visual Studio Code window with a dark theme. On the left is a file tree with a single file 'prac_2.sql'. The main area contains the following SQL code:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql - DBMS - Visual Studio Code
prac_2.sql
19 update client_info set City="Bombay" where Client_no="C002";
20 select Client_no,City from client_info where Client_no="C002";
21
22 update client_info set bal_due=1000 where Client_no="C001";
23 select Client_no,bal_due from client_info where Client_no="C001";
24
25 update product_info set cost_price=950.00 where Descriptionn="Webcams";
26 select Descriptionn , cost_price from product_info where Descriptionn="Webcams";
27
28 update salesman_info set City="Mumbai";
29 select City from salesman_info;
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
41 desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
44 desc product_info;
45
46 alter table client_info rename column telephone to contact;
47 desc client_info;
48
49 alter table client_info drop column contact;
```

On the right, there are three tabs: 'mariadb-yash: desc client_info;', 'mariadb-yash: alter table client_info drop column contact;', and another 'mariadb-yash: desc client_info;'. The bottom status bar shows 'Query returned 0 rows'.

This screenshot shows the same Visual Studio Code setup as the previous one, but with a different tab selected on the right. The 'mariadb-yash: alter table client_info drop column contact;' tab is active, showing the table structure of 'client_info' before the 'contact' column was dropped. The table has the following columns:

Field	Type	Null	Key	Default	Extra
Client_no	varchar(8)	YES		NULL	
C_Name	char(20)	YES		NULL	
City	varchar(15)	YES		NULL	
Pincode	decimal(8,0)	YES		NULL	
State	varchar(15)	YES		NULL	
Bal_due	decimal(10,2)	YES		NULL	
Date_of_commerce...	date	YES		NULL	

The bottom status bar shows 'Ln 49, Col 45 (44 selected)'.

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F) Deleting the table structure along with data : Create table employee with 4 columns and 5 rows.

The screenshot shows a Visual Studio Code window with a dark theme. On the left, there's a sidebar with icons for file operations like Open, Save, and Close. The main area has a tab bar with 'prac_2.sql' and 'prac_2.sql'. The code editor contains the following SQL script:

```
File Edit Selection View Go Run Terminal Help
prac_2.sql - DBMS - Visual Studio Code
prac_2.sql
prac_2.sql

30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
41 desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
44 desc product_info;
45
46 alter table client_info rename column telephone to contact;
47 desc client_info;
48
49 alter table client_info drop column contact;
50 desc client_info;
51
52 create table employee( ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
```

The status bar at the bottom right indicates 'Ln 52, Col 96 (95 selected)' and 'Spaces: 5 - UTF-8 - LF - SQL'. To the right of the code editor is a results pane titled 'mariadb-yash: create table employee(ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));'. It shows a green bar with the message 'Query returned 0 rows'.

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prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
desc product_info;
45
46 alter table client_info rename column telephone to contact;
desc client_info;
48
49 alter table client_info drop column contact;
desc client_info;
51
52 create table employee(ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53
54 insert into employee values("E001","Yash",6351573711,"Vrindavana");
55
```

mariadb-yash: insert into employee values("E001","Yash",6351573711,"Vrindavana");

Query returned 0 rows

Ln 55, Col 1 (68 selected) Spaces: 5 UTF-8 LF SQL ⚙

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
desc product_info;
45
46 alter table client_info rename column telephone to contact;
desc client_info;
48
49 alter table client_info drop column contact;
desc client_info;
51
52 create table employee(ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53
54 insert into employee values("E001","Yash",6351573711,"Vrindavana");
55 insert into employee values("E002","Yash2",1234567890,"Mayapur");
56
```

mariadb-yash: insert into employee values("E002","Yash2",1234567890,"Mayapur");

Query returned 0 rows

Ln 56, Col 1 (66 selected) Spaces: 5 UTF-8 LF SQL ⚙

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 2

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql

30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
desc product_info;
45
46 alter table client_info rename column telephone to contact;
desc client_info;
48
49 alter table client_info drop column contact;
desc client_info;
51
52 create table employee(ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53
54 insert into employee values("E001","Yash",6351573711,"Vrindavana");
55 insert into employee values("E002","Yash2",1234567890,"Mayapur");
56 insert into employee values("E003","Yash3",0123456789,"Haridwar")_
```

mariadb-yash: insert into employee values("E003","Yash3",0123456789,"Haridwar");

Query returned 0 rows

Ln 56, Col 67 (66 selected) Spaces: 5 UTF-8 LF SQL ⚙

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql

30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
desc product_info;
45
46 alter table client_info rename column telephone to contact;
desc client_info;
48
49 alter table client_info drop column contact;
desc client_info;
51
52 create table employee(ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53
54 insert into employee values("E001","Yash",6351573711,"Vrindavana");
55 insert into employee values("E002","Yash2",1234567890,"Mayapur");
56 insert into employee values("E003","Yash3",0123456789,"Haridwar");
57 insert into employee values("E004","Yash4",9876543210,"Jagannath Puri");
```

mariadb-yash: insert into employee values("E004","Yash4",9876543210,"Jagannath Puri");

Query returned 0 rows

Ln 58, Col 1 (73 selected) Spaces: 5 UTF-8 LF SQL ⚙

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 2

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql

30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
desc product_info;
45
46 alter table client_info rename column telephone to contact;
desc client_info;
48
49 alter table client_info drop column contact;
desc client_info;
51
52 create table employee(ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53
54 insert into employee values("E001","Yash",6351573711,"Vrindavana");
55 insert into employee values("E002","Yash2",1234567890,"Mayapur");
56 Insert into employee values("E003","Yash3",0123456789,"Haridwar");
57 insert into employee values("E004","Yash4",9876543210,"Jagannath Puri");
58 insert into employee values("E005","Yash5",0987654321,"Dwarka");_
```

mariadb-yash: insert into employee values("E005","Yash5",0987654321,"Dwarka");

Query returned 0 rows

Ln 58, Col 65 (64 selected) Spaces: 5 UTF-8 LF SQL

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql X
prac_2.sql

30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
desc product_info;
45
46 alter table client_info rename column telephone to contact;
desc client_info;
48
49 alter table client_info drop column contact;
desc client_info;
51
52 create table employee(ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53
54 insert into employee values("E001","Yash",6351573711,"Vrindavana");
55 insert into employee values("E002","Yash2",1234567890,"Mayapur");
56 Insert into employee values("E003","Yash3",0123456789,"Haridwar");
57 insert into employee values("E004","Yash4",9876543210,"Jagannath Puri");
58 insert into employee values("E005","Yash5",0987654321,"Dwarka");_
```

mariadb-yash: insert into employee values("E005","Yash5",0987654321,"Dwarka");

mariadb-yash: select * from employee;

ID	Name	Contact	City
E001	Yash	6351573711	Vrindavana
E002	Yash2	1234567890	Mayapur
E003	Yash3	123456789	Haridwar
E004	Yash4	9876543210	Jagannath Puri
E005	Yash5	987654321	Dwarka

CONSOLE RE-RUN QUERY EXPORT OPEN

Ln 60, Col 24 (23 selected) Spaces: 5 UTF-8 LF SQL

Name - Yash Lakhtariya

Enrollment number - 21162101012

Branch - CBA , Batch - 31

DBMS Practical 2

1) Destroy the table employee along with its data.

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql
prac_2.sql
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
desc product_info;
45
46 alter table client_info rename column telephone to contact;
desc client_info;
48
49 alter table client_info drop column contact;
desc client_info;
51
52 create table employee (ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53 insert into employee values("E001","Yash",6351573711,"Vrindavana");
54 insert into employee values("E002","Yash2",1234567890,"Mayapur");
55 insert into employee values("E003","Yash3",0123456789,"Haridwar");
56 insert into employee values("E004","Yash4",9876543210,"Jagannath Puri");
57 insert into employee values("E005","Yash5",0987654321,"Dwarka");
58 select * from employee;
59
60 drop table employee;
```

mariadb-yash: select * from employee; mariadb-yash: drop table employee; mariadb-yash: show tables;

Query returned 0 rows

Ln 60, Col 21 [20 selected] Spaces: 5 UTF-8 LF SQL

prac_2.sql - DBMS - Visual Studio Code

```
File Edit Selection View Go Run Terminal Help
prac_2.sql
prac_2.sql
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
desc product_info;
45
46 alter table client_info rename column telephone to contact;
desc client_info;
48
49 alter table client_info drop column contact;
desc client_info;
51
52 create table employee (ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53 insert into employee values("E001","Yash",6351573711,"Vrindavana");
54 insert into employee values("E002","Yash2",1234567890,"Mayapur");
55 insert into employee values("E003","Yash3",0123456789,"Haridwar");
56 insert into employee values("E004","Yash4",9876543210,"Jagannath Puri");
57 insert into employee values("E005","Yash5",0987654321,"Dwarka");
58 select * from employee;
59
60 drop table employee;
61 show tables;
```

mariadb-yash: select * from employee; mariadb-yash: drop table employee; mariadb-yash: show tables;

Tables_in_CBA_...

client_info
product_info
salesman_info

CONSOLE RE-RUN QUERY EXPORT OPEN

Ln 61, Col 13 [12 selected] Spaces: 5 UTF-8 LF SQL

Name - Yash Lakhtariya

Enrollment number - 21162101012

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DBMS Practical 2

G) Renaming the table:

1) Change the name of the salesman_master table to sman_mast.

The screenshot shows the Visual Studio Code interface with two tabs open: 'prac_2.sql' and 'prac_2.sql - DBMS - Visual Studio Code'. The code editor contains a SQL script with several statements including deletes, selects, alters, and a rename command. The terminal tab shows the execution of three commands: dropping the 'employee' table, showing tables, and renaming the 'salesman_info' table to 'sman_mast'. The terminal output indicates that the rename command was successful and returned 0 rows.

```
File Edit Selection View Go Run Terminal Help
prac_2.sql ×
prac_2.sql
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
41 desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
44 desc product_info;
45
46 alter table client_info rename column telephone to contact;
47 desc client_info;
48
49 alter table client_info drop column contact;
50 desc client_info;
51
52 create table employee( ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53 insert into employee values("E001","Yash",6351573711,"Vrindavana");
54 insert into employee values("E002","Yash2",1234567890,"Mayapur");
55 insert into employee values("E003","Yash3",0123456789,"Haridwar");
56 insert into employee values("E004","Yash4",9876543210,"Jagannath Puri");
57 insert into employee values("E005","Yash5",0987654321,"Dwarka");
58 select * from employee;
59
60 drop table employee;
61 show tables;
62
63 rename table salesman_info to sman_mast;
```

prac_2.sql - DBMS - Visual Studio Code

```
mariadb-yash: drop table employee; mariadb-yash: show tables; mariadb-yash: rename table salesman_info to sman_mast; ...
```

Query returned 0 rows

Ln 63, Col 41 (40 selected) Spaces: 5 UTF-8 LF SQL ⌂

The screenshot shows the Visual Studio Code interface with two tabs open: 'prac_2.sql' and 'prac_2.sql - DBMS - Visual Studio Code'. The code editor contains the same SQL script as the previous screenshot. The terminal tab shows the execution of three commands: dropping the 'employee' table, showing tables, and renaming the 'salesman_info' table to 'sman_mast'. The terminal output shows the results of the 'show tables' command, which lists 'client_info', 'product_info', and 'sman_mast' as the tables in the database.

```
File Edit Selection View Go Run Terminal Help
prac_2.sql ×
prac_2.sql
30
31 delete from salesman_info where Sal_amnt=3500;
32 select * from salesman_info;
33
34 delete from product_info where qty_on_hand=100;
35 select * from product_info;
36
37 delete from client_info where State="Tamil Nadu";
38 select * from client_info;
39
40 alter table client_info add telephone numeric(10);
41 desc client_info;
42
43 alter table product_info modify sell_price numeric(10,2);
44 desc product_info;
45
46 alter table client_info rename column telephone to contact;
47 desc client_info;
48
49 alter table client_info drop column contact;
50 desc client_info;
51
52 create table employee( ID varchar(6), Name varchar(20), Contact decimal(10), City varchar(20));
53 insert into employee values("E001","Yash",6351573711,"Vrindavana");
54 insert into employee values("E002","Yash2",1234567890,"Mayapur");
55 insert into employee values("E003","Yash3",0123456789,"Haridwar");
56 insert into employee values("E004","Yash4",9876543210,"Jagannath Puri");
57 insert into employee values("E005","Yash5",0987654321,"Dwarka");
58 select * from employee;
59
60 drop table employee;
61 show tables;
62
63 rename table salesman_info to sman_mast;
64 show tables;
```

prac_2.sql - DBMS - Visual Studio Code

```
mariadb-yash: show tables; mariadb-yash: rename table salesman_info to sman_mast; mariadb-yash: show tables; ...
```

Tables_In_CBA_...
client_info
product_info
sman_mast

Ln 64, Col 13 (12 selected) Spaces: 5 UTF-8 LF SQL ⌂