ST. XAVIER'S COLLEGE

Maitighar, Kathmandu (Affiliated to National Examinations Board)



DATABASE MANAGEMENT SYSTEM

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Submitted by:

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Submitted to:

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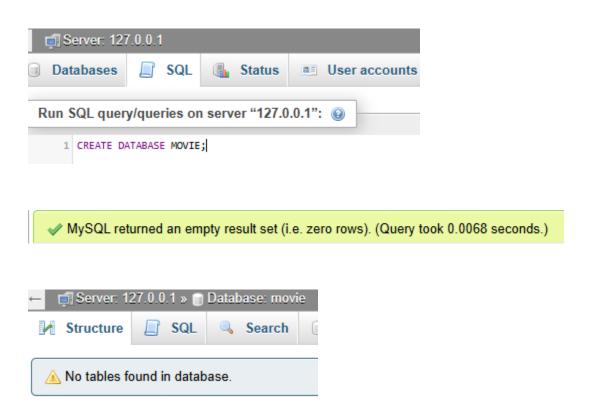
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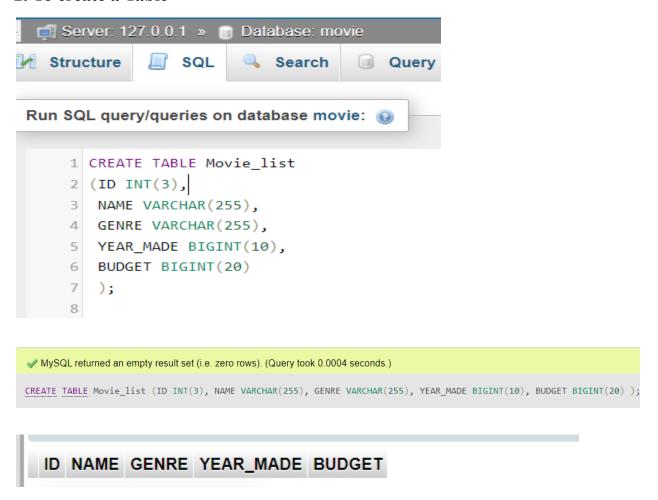
QUESTION NUMBER-1

- 1. Create the movie database with the following relation schema where the primary keys are underlined.
 - Create table movie list(mid, name, genre, year made, budget).
 - Add five data to the database table with following data (detail of movies).
 - Retrieve all the information from the above table.
 - Update the genre to action.
 - Delete the data where the genre is thriller.

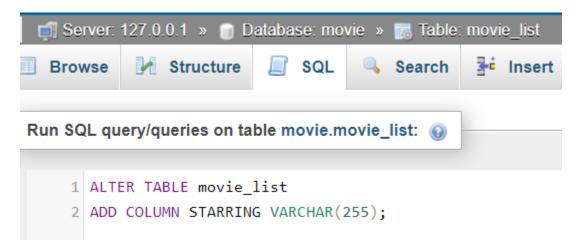
1.To create a Database in the server

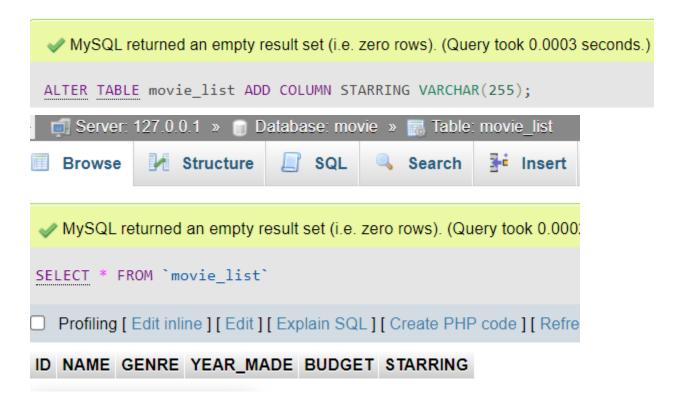


2. To create a Table

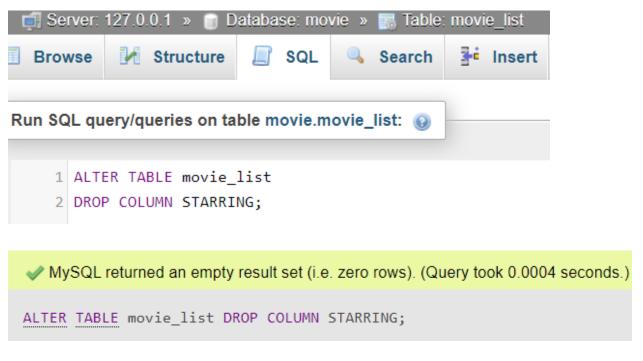


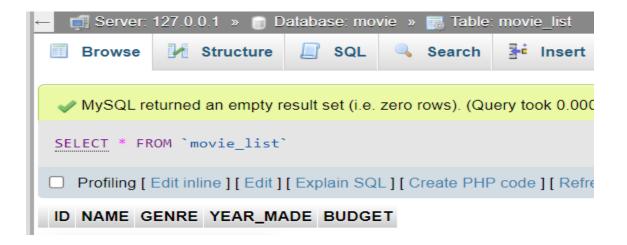
3. To add column



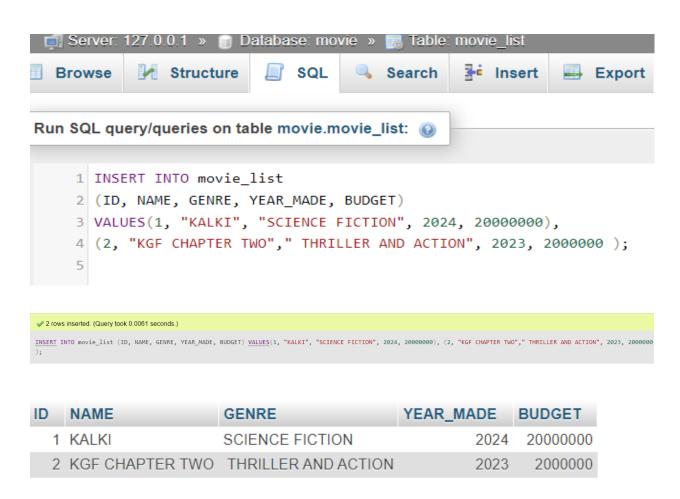


4. To drop Column

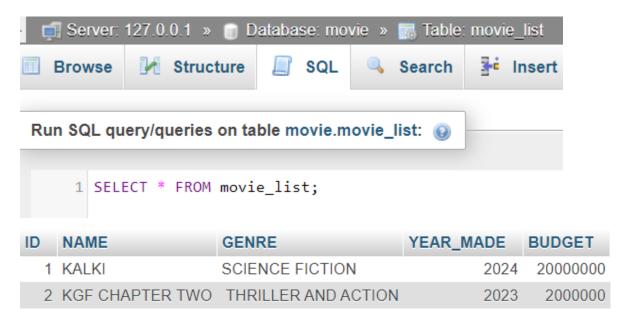




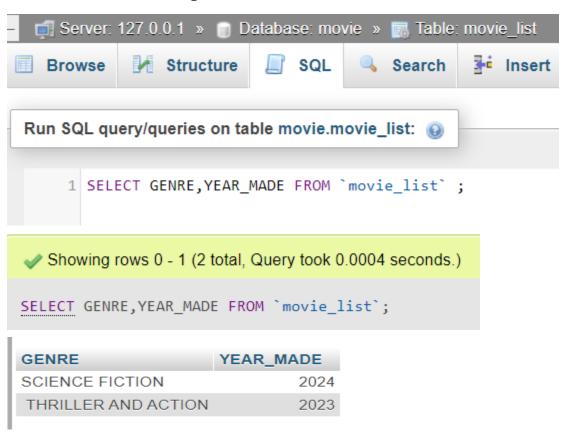
5. To insert Data in the Table



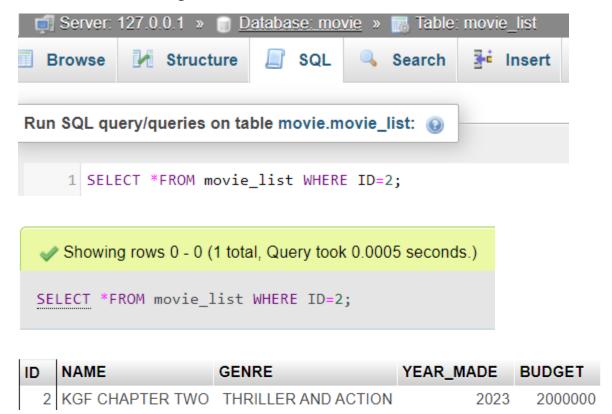
6. a. To view Data of Table



b. To view Data of a particular column

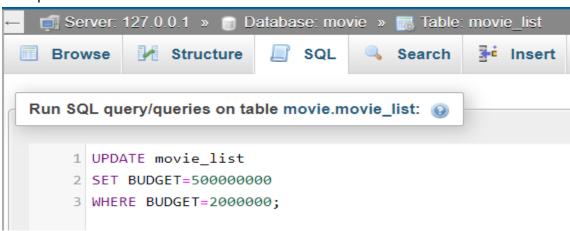


C. To view data of a particular row



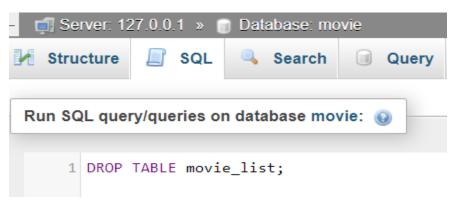
7. To Update data of Column

Example-1:





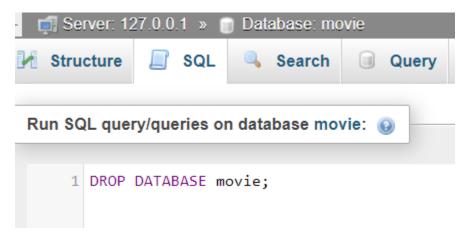
8. To drop the table

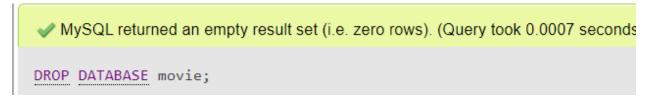


✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0011 seconds.)

DROP TABLE movie_list;

9. To drop the database





QUESTIONS NUMBER-2

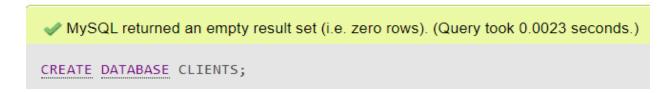
- 2. Write database name and draw table with records of 5 clients as per details given below then write commands/sql query for respective operations in the database.
- a. Create database clients.
- b. Create table client_info including columns: client_id(int), client_name(varchar), client_address(varchar), date of purchase(date)
- c. Modify the table client info by adding column contact info.
- d. Modify the table client_info by changing the type varchar of client_address column to text.
- e. Drop the column client_address from the client_info table.
- f. Insert at least five records in the client info table.
- g. Display all records from table client info table.
- h. Display record of a client whose id is 3.
- i. Display all records from table client_info table in ascending order.
- j. Display all records from table client info table in descending order.
- k. Update contact no of client whose client id is 1 to 9841999999.
- l. Update client_name, client_address, contact_no using update command of at least one client.

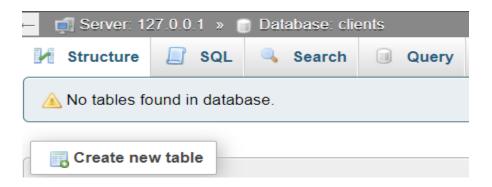
Note: Export the database file before running the following command for backup of the database.

- m. Delete record of a client whose id is 1.
- n. Delete all records from the table client info.
- o. Drop the table client info.
- p. Drop the database client.

2. a. Create database clients.

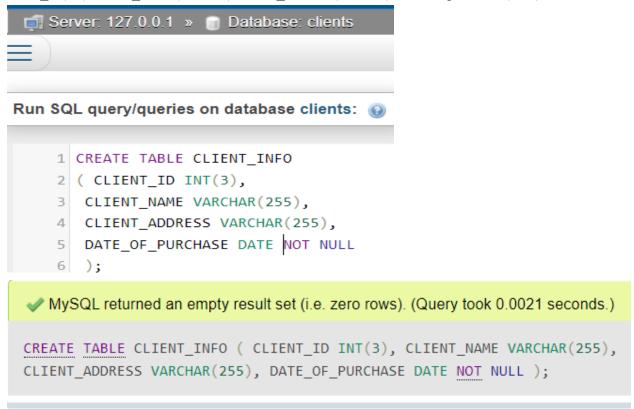






b. Create table client_info including columns:

client id(int), client name(varchar), client address(varchar), date of purchase(date)

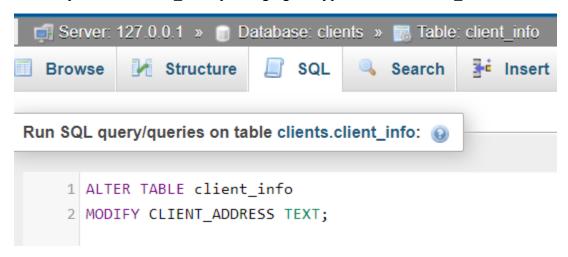


CLIENT_ID CLIENT_NAME CLIENT_ADDRESS DATE_OF_PURCHASE

c. Modify the table client info by adding column contact info.



d. Modify the table client info by changing the type varchar of client address column to text.

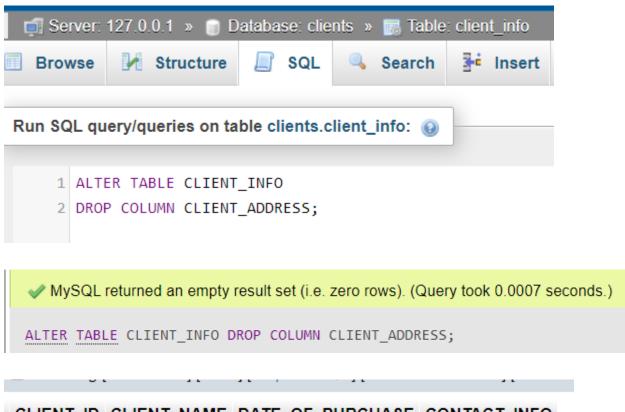


✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0011 seconds.)

ALTER TABLE client_info MODIFY CLIENT_ADDRESS TEXT;

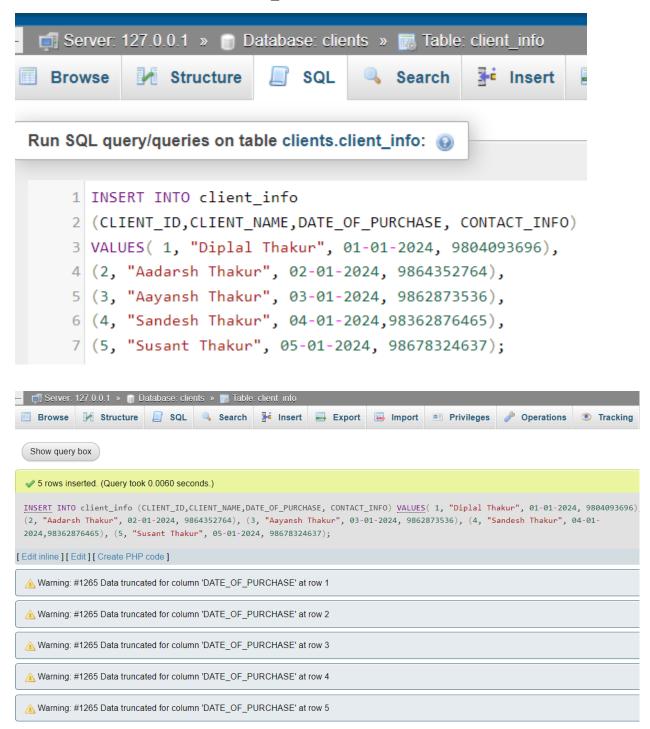
CLIENT_ID CLIENT_NAME CLIENT_ADDRESS DATE_OF_PURCHASE CONTACT_INFO

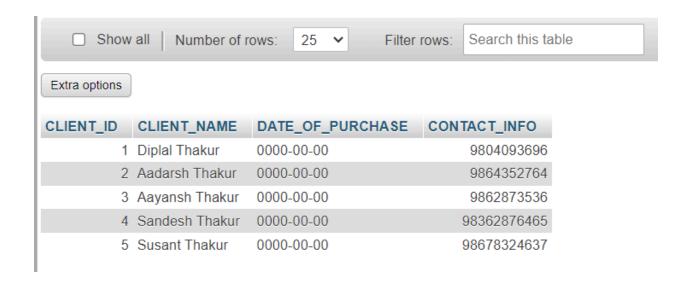
e. Drop the column client_address from the client_info table.



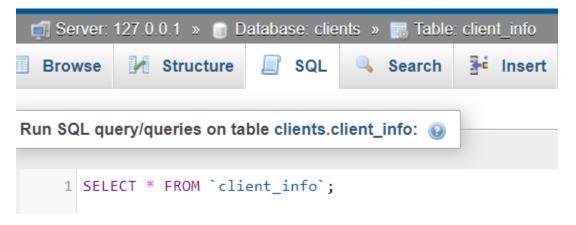
CLIENT_ID CLIENT_NAME DATE_OF_PURCHASE CONTACT_INFO

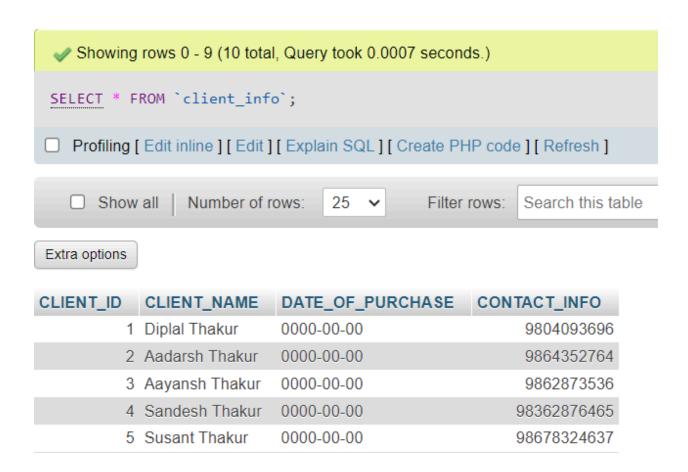
f. Insert at least five records in the client info table.



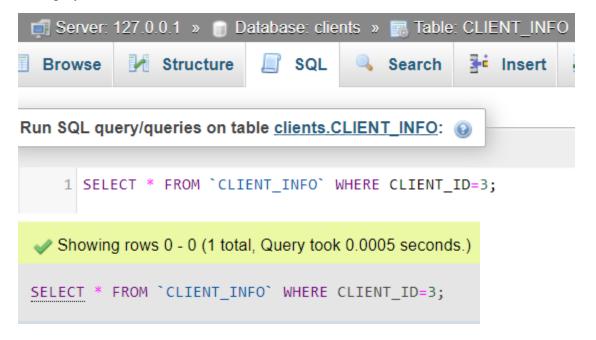


g. Display all records from table client info table.



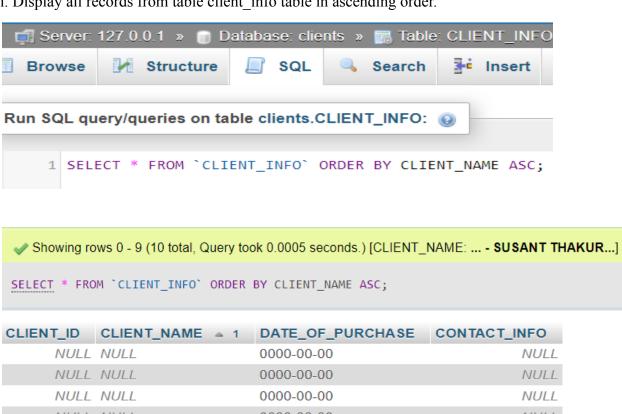


h. Display record of a client whose id is 3.



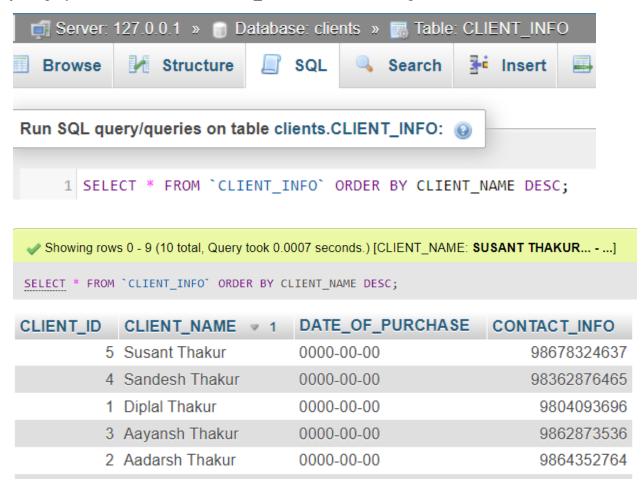
CLIENT_ID	CLIENT_NAME	DATE_OF_PURCHASE	CONTACT_INFO
3	Aayansh Thakur	0000-00-00	9862873536

i. Display all records from table client info table in ascending order.

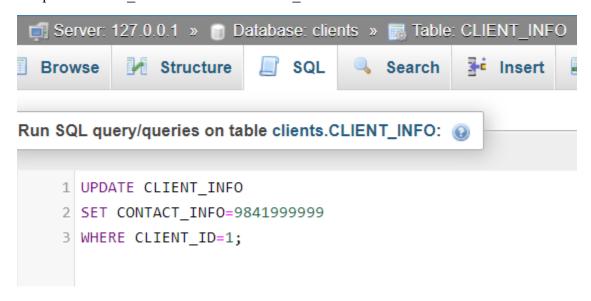


CLIEN I_ID	CLIEN I_NAME A 1	DATE_OF_PURCHASE	CONTACT_INFO
NULL	NULL	0000-00-00	NULL
NULL	NULL	0000-00-00	NULL
NULL	NULL	0000-00-00	NULL
NULL	NULL	0000-00-00	NULL
NULL	NULL	0000-00-00	NULL
2	Aadarsh Thakur	0000-00-00	9864352764
3	Aayansh Thakur	0000-00-00	9862873536
1	Diplal Thakur	0000-00-00	9804093696
4	Sandesh Thakur	0000-00-00	98362876465
5	Susant Thakur	0000-00-00	98678324637

j. Display all records from table client info table in descending order.



k. Update contact no of client whose client id is 1 to 9841999999.



```
✓ 1 row affected. (Query took 0.0006 seconds.)
UPDATE CLIENT_INFO SET CONTACT_INFO=9841999999 WHERE CLIENT_ID=1;
```

CLIENT_ID CLIENT_NAME DATE_OF_PURCHASE CONTACT_INFO 1 Diplal Thakur 0000-00-00 9841999999

1. Update client_name, client_address, contact_no using update command of at least one client.

A. Updating client_name

```
1 UPDATE client_info
2 SET CLIENT_NAME="RADHA"
3 WHERE CLIENT_NAME="KRISHNA";
```

```
✓ 1 row affected. (Query took 0.0006 seconds.)
UPDATE client_info SET CLIENT_NAME="RADHA" WHERE CLIENT_NAME="KRISHNA";
```

CLIENT_ID	CLIENT_NAME	CLIENT_ADDRESS	DATE_OF_PURCHASE
1	DIPLAL	DHANUSHA	2024-12-23
2	AADARSH	BHARATPUR	2024-12-23
3	AMAN	DHALKEBAR	2024-12-23
4	RAJESH	MAHENDRANAGAR	2024-12-23
5	RADHA	BIRENDRABAZAAR	2024-12-23

B. updating cient address

- 1 UPDATE client_info
- 2 SET CLIENT_ADDRESS="BHARATPUR"
- 3 WHERE CLIENT_ADDRESS="BIRENDRABAZAAR";

√ 1 row affected. (Query took 0.0013 seconds.)

UPDATE client_info SET CLIENT_ADDRESS="BHARATPUR" WHERE CLIENT_ADDRESS="BIRENDRABAZAAR";

CLIENT_ID	CLIENT_NAME	CLIENT_ADDRESS	DATE_OF_PURCHASE
1	DIPLAL	DHANUSHA	2024-12-23
2	AADARSH	BHARATPUR	2024-12-23
3	AMAN	DHALKEBAR	2024-12-23
4	RAJESH	MAHENDRANAGAR	2024-12-23
5	RADHA	BHARATPUR	2024-12-23

m. Delete record of a client whose id is 1.

1 DELETE FROM CLIENT_INFO WHERE CLIENT_ID=1;

√ 1 row deleted. (Query took 0.0049 seconds.)

DELETE FROM CLIENT_INFO WHERE CLIENT_ID=1;

CLIENT_ID	CLIENT_NAME	CLIENT_ADDRESS	DATE_OF_PURCHASE
2	AADARSH	BHARATPUR	2024-12-23
3	AMAN	DHALKEBAR	2024-12-23
4	RAJESH	MAHENDRANAGAR	2024-12-23
5	RADHA	BHARATPUR	2024-12-23

n. Delete all records from the table client info.



