SQL ASSIGMENT

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Problem 1: ONLINE BOOKSTORE MANAGEMENT

 $\{ \texttt{STEP} \ \ 0 \ \ : \ \ \texttt{CREATE} \ \ \texttt{DATABASE} \ \ \texttt{AND} \ \ \texttt{USE} \ \ \texttt{DATABASE} \}$



 $\{ step 1 : CREATE TABLES \}$

```
Catabase changed

sycic CREATE TABLE STREAM RETURNS NEY,

catabase States NECLEMICALLY,

catabase NecL
```

 $\{STEP 2 : INSERT DATA\}$



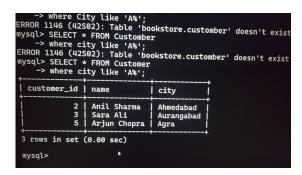
 $\{STEP \ 3 \ : \ UPDATE \ PRICES \ OF \ BOOKS \ BELOW \ 200\}$



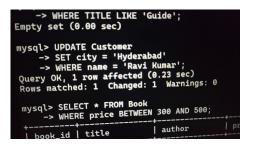
{STEP 4 DELETE ALL BOOK WRITTEN BY AN AUTHOR NAMED UNKNOWN}



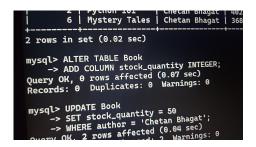
{STEP 5 Display all customers whose city name starts with A}



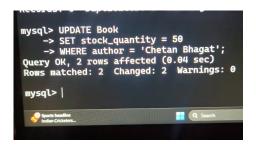
{STEP 6 Find all books where the title contains the word Guide.}
STEP 7 Change the city of customer Ravi Kumar to Hyderabad



STEP 8 List all books with price between 300 and 500 STEP 9: Add a new column stock quantity to the Book table



STEP 10 : Update stock quantity to 50 for all books by author Chetan Bhagat



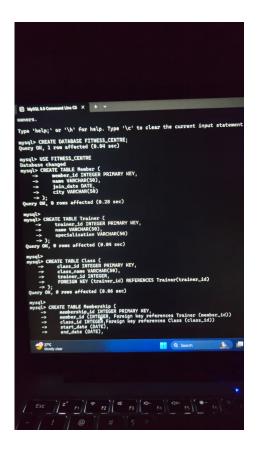
PROBLEM 2 FITNESS CENTER MEMBERSHIP

STEP 0 : CREATE DATABASE FITNESS_CENTER

0.1 : USE DATABASE

ERROR 1064 (42000): You have an error in your SQL sy orresponds to your MySQL server version for the right at line 1 mysql> CREATE DATABASE FITNESS_CENTER; Query OK, 1 row affected (0.02 sec) mysql> USE FITNESS_CENTER Database changed mysql> |

STEP 1: CREATE TABLES



STEP 3 Update the specialization of trainers whose name starts with S to General

```
mysql> UPDATE Trainer

-> SET specialization = 'General Fitness'
-> WHERE name LTKE 'S';
Query OK, 0 rows affected (0.03 sec)
Rows matched: 0 Changed: 0 Warnings: 0
```

STEP 4 Delete all members whose city is Unknown

```
mysql> DELETE FROM Member

-> WHERE city = 'Unknown';

Query OK, 0 rows affected (0.03 sec)
```

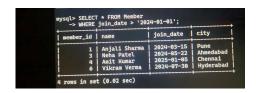
STEP 5 Display all classes where the class name contains Yoga

```
mysql> SELECT * FROM Class
-> WHERE class_name LIKE 'Yoga';
Empty set (0.02 sec)
```

STEP 6 Change the city of member Anjali Sharma to Pune

```
mysql> UPDATE Member
-> SET city = 'Pune'
-> WHERE name = 'Anjali Sharma';
Query OK, 1 row affected (0.04 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

STEP 7 List all members who joined after 2024-01-01



STEP 8 Add a new column monthly fee to the Class table

```
mysql> ALTER TABLE Class

-> ADD COLUMN monthly_fee INTEGER;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0
```

STEP 9 Set monthly fee to 2000 for all classes with Pilates in their name

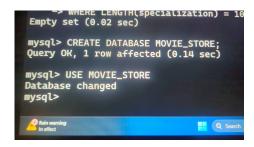
```
mysql> UPDATE Class
-> SET monthly_fee = 2000
-> WHERE class_name LIKE 'Pilates';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0
```

STEP 10 Display all trainers whose specialization is exactly 10 characters long

```
mysql> SELECT * FROM Trainer
-> WHERE LENGTH(specialization) = 10;
Empty set (0.02 sec)
```

PROBLEM 3: MOVIE RENTAL STORE

STEP 0 : CREATE DATABASE MOVIE.STORE STEP 0.1:USE DATABASE



STEP 1: CREATE TABLE



STEP 3 Update the genre of all movies released before 2000 to Classic

```
mysql> UPDATE Movie
-> SET genre = 'Classic'
-> WHERE release_year < 2000;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

STEP 4 Delete movies whose title contains the word Test

```
mysql> DELETE FROM Movie

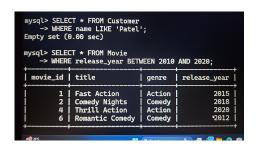
-> WHERE title LIKE 'Test';

Query OK, 0 rows affected (0.00 sec)
```

STEP 5 Display all customers whose name ends with Patel

Query OK, 1 row affected (0.01 sec) Rows matched: 1 Changed: 1 Warnings: 0 mysql> SELECT * FROM Customer -> WHERE name LIKE '*Patel';		
customer_id	name	phone
2 4	Pooja Patel Neha Patel	9876543210 7788996655
2 rows in set (0.00 sec)		

STEP 6 Find all movies released between 2010 and 2020



STEP 8 List all movies where the genre contains Action



```
STEP 9 Add a new column rental price to the Movie table
\end
\begin{figure}[H]
\centering
\includegraphics[width=0.5\linewidth]{3.9.jpg}
\label{fig:placeholder}
\end{figure}
\begin{lstlisting}
STEP 10 Set rental price to 150 for all Comedy movies
```

