MySQL Database Assignments

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775

SQL ASSIGNMENT

August 27, 2025

1 PROBLEM1: ONLINE BOOKSTORE MANAGEMENT

SOLUTION

```
CREATE TABLE BOOK( BOOK_ID INT PRIMARY KEY, TITLE
VARCHAR(100), AUTHOR VARCHAR(50), PRICE DECIMAL(6,2));
CREATE TABLE CUSTOMER( CUSTOMER_ID INT PRIMARY KEY, NAME
VARCHAR(50), CITY VARCHAR(50));
CREATE TABLE ORDERTABLE( ORDER_ID INT PRIMARY KEY,
ORDER_DATE DATE, CUSTOMER_ID INT, FOREIGN KEY (CUSTOMER_ID)
REFERENCES CUSTOMER(CUSTOMER_ID));
CREATE TABLE ORDERDETAILS( DETAIL_ID INT PRIMARY KEY,
ORDER_ID INT, BOOK_ID INT, QUANTITY INT, FOREIGN KEY
(ORDER_ID) REFERENCES ORDERTABLE(ORDER_ID), FOREIGN KEY
(BOOK_ID) REFERENCES BOOK(BOOK_ID));
INSERT INTO BOOK VALUES (1, 'MASTERING DATABASES' , 'PRIYA
NAIR' , 310.00);
INSERT INTO BOOK VALUES (2, 'PYTHON FOR ALL' , 'RAGHAV
MENON' , 180.00);
INSERT INTO BOOK VALUES (3, 'CLOUD COMPUTING BASICS' , 'MEERA JOSHI' , 295.00);
INSERT INTO BOOK VALUES (4, 'BUSINESS ANALYTICS 101' , 'ALOK SHARMA' , 150.00);
INSERT INTO BOOK VALUES (5, 'JAVA EXPLAINED' , 'CHETAN BHAGAT' , 450.00);
INSERT INTO BOOK VALUES (6, 'MODERN AI TRENDS' , 'UNKOWN' , 210.00);
INSERT INTO CUSTOMER VALUES (101, 'RAVI KUMAR', 'DELHI');
INSERT INTO CUSTOMER VALUES (102, 'ANJALI VERMA', 'AGRA');
INSERT INTO CUSTOMER VALUES (103, 'DEVANSH MEHTA', 'AMRITSAR');
INSERT INTO CUSTOMER VALUES (104, 'SIMRAN KAPOOR', 'BHOPAL');
INSERT INTO CUSTOMER VALUES (105, 'ARYAN JOSHI', 'AHMEDABAD');
INSERT INTO ORDERTABLE VALUES (1001, '2025-08-10', 101);
INSERT INTO ORDERTABLE VALUES (1002, '2025-08-12', 102);
INSERT INTO ORDERTABLE VALUES (1003, '2025-08-14', 104);
INSERT INTO ORDERTABLE VALUES (1004, '2025-08-15', 105);
INSERT INTO ORDERDETAILS VALUES (1, 1001, 2, 1);
INSERT INTO ORDERDETAILS VALUES (2, 1001, 4, 3);
INSERT INTO ORDERDETAILS VALUES (3, 1002, 1, 2);
```

```
INSERT INTO ORDERDETAILS VALUES (4, 1003, 5, 1);
INSERT INTO ORDERDETAILS VALUES (5, 1004, 3, 2);
INSERT INTO ORDERDETAILS VALUES (6, 1004, 6, 1);
UPDATE BOOK SET PRICE = PRICE*1.15 WHERE PRICE < 200;
DELETE FROM BOOK WHERE AUTHOR ='UNKNOWN';
SELECT * FROM CUSTOMER WHERE CITY LIKE 'A%';
SELECT * FROM BOOK WHERE TITLE LIKE '%GUIDE%';
UPDATE CUSTOMER SET CITY = 'HYDERABAD' WHERE NAME ='RAVI KUMAR';
SELECT * FROM BOOK WHERE PRICE BETWEEN 300 AND 500;
ALTER TABLE BOOK ADD STOCK_QUANTITY INT;
UPDATE BOOK SET STOCK_QUANTITY = 50 WHERE AUTHOR ='CHETAN BHAGAT';
```

SOLUTION OUTPUT

```
 MySQL 8.0 Command Line Cli    X    +    ⌄

mysql> DELETE FROM BOOK WHERE AUTHOR ='UNKNOWN';
Query OK, 0 rows affected (0.03 sec)

mysql> SELECT * FROM CUSTOMER WHERE CITY LIKE 'A%';
+-------------+----------------+-----------+
| CUSTOMER_ID | NAME           | CITY      |
+-------------+----------------+-----------+
|         102 | ANJALI VERMA   | AGRA      |
|         103 | DEVANSH MEHTA  | AMRITSAR  |
|         105 | ARYAN JOSHI    | AHMEDABAD |
+-------------+----------------+-----------+
3 rows in set (0.02 sec)

mysql> SELECT * FROM BOOK WHERE TITLE LIKE '%GUIDE%';
Empty set (0.00 sec)

mysql> UPDATE CUSTOMER SET CITY = 'HYDERABAD' WHERE NAME ='RAVI KUMAR';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM CUSTOMER;
+-------------+----------------+-----------+
| CUSTOMER_ID | NAME           | CITY      |
+-------------+----------------+-----------+
|         101 | RAVI KUMAR     | HYDERABAD |
|         102 | ANJALI VERMA   | AGRA      |
|         103 | DEVANSH MEHTA  | AMRITSAR  |
|         104 | SIMRAN KAPOOR  | BHOPAL    |
|         105 | ARYAN JOSHI    | AHMEDABAD |
+-------------+----------------+-----------+
5 rows in set (0.00 sec)

mysql> SELECT * FROM BOOK WHERE PRICE BETWEEN 300 AND 500;
+---------+---------------------+---------------+--------+
| BOOK_ID | TITLE               | AUTHOR        | PRICE  |
+---------+---------------------+---------------+--------+
|       1 | MASTERING DATABASES | PRIYA NAIR    | 310.00 |
|       5 | JAVA EXPLAINED      | CHETAN BHAGAT | 450.00 |
+---------+---------------------+---------------+--------+
2 rows in set (0.00 sec)

mysql> ALTER TABLE BOOK ADD STOCK_QUANTITY INT;
Query OK, 0 rows affected (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> UPDATE BOOK SET STOCK_QUANTITY = 50 WHERE AUTHOR ='CHETAN BHAGAT';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select* from book;
+---------+------------------------+---------------+--------+----------------+
| BOOK_ID | TITLE                  | AUTHOR        | PRICE  | STOCK_QUANTITY |
+---------+------------------------+---------------+--------+----------------+
|       1 | MASTERING DATABASES    | PRIYA NAIR    | 310.00 |           NULL |
|       2 | PYTHON FOR ALL         | RAGHAV MENON  | 207.00 |           NULL |
|       3 | CLOUD COMPUTING BASICS | MEERA JOSHI   | 295.00 |           NULL |
|       4 | BUSINESS ANALYTICS 101 | ALOK SHARMA   | 172.50 |           NULL |
|       5 | JAVA EXPLAINED         | CHETAN BHAGAT | 450.00 |             50 |
|       6 | MODERN AI TRENDS       | UNKOWN        | 210.00 |           NULL |
+---------+------------------------+---------------+--------+----------------+
6 rows in set (0.00 sec)

mysql> select* from customer;
+-------------+---------------+-----------+
| CUSTOMER_ID | NAME          | CITY      |
+-------------+---------------+-----------+
|         101 | RAVI KUMAR    | HYDERABAD |
|         102 | ANJALI VERMA  | AGRA      |
|         103 | DEVANSH MEHTA | AMRITSAR  |
|         104 | SIMRAN KAPOOR | BHOPAL    |
|         105 | ARYAN JOSHI   | AHMEDABAD |
+-------------+---------------+-----------+
5 rows in set (0.00 sec)

mysql> select* from ordertable;
+----------+------------+-------------+
| ORDER_ID | ORDER_DATE | CUSTOMER_ID |
+----------+------------+-------------+
|     1001 | 2025-08-10 |         101 |
|     1002 | 2025-08-12 |         102 |
|     1003 | 2025-08-14 |         104 |
|     1004 | 2025-08-15 |         105 |
+----------+------------+-------------+
4 rows in set (0.00 sec)

mysql> select* from orderdetails;
+-----------+----------+---------+----------+
| DETAIL_ID | ORDER_ID | BOOK_ID | QUANTITY |
+-----------+----------+---------+----------+
|         1 |     1001 |       2 |        1 |
|         2 |     1001 |       4 |        3 |
|         3 |     1002 |       1 |        2 |
|         4 |     1003 |       5 |        1 |
|         5 |     1004 |       3 |        2 |
|         6 |     1004 |       6 |        1 |
+-----------+----------+---------+----------+
6 rows in set (0.00 sec)
```
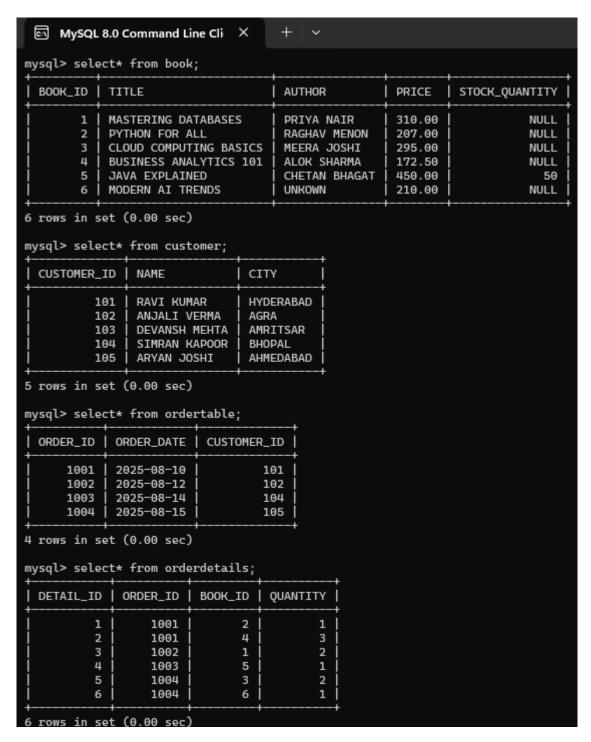
Figure 1: output for problem 1

2 PROBLEM2: FITNESS CENTER MEMBERSHIP

sql queries

```
CREATE TABLE MEMBER( MEMBER_ID INT PRIMARY KEY, NAME
VARCHAR(50), JOIN_DATE DATE, CITY VARCHAR(50));
CREATE TABLE TRAINER( TRAINER_ID INT PRIMARY KEY, NAME
VARCHAR(50), SPECIALIZATION VARCHAR(50));
CREATE TABLE CLASS( CLASS_ID INT PRIMARY KEY, CLASS_NAME
VARCHAR(50), TRAINER_ID INT, FOREIGN KEY (TRAINER_ID)
REFERENCES TRAINER (TRAINER_ID));
CREATE TABLE MEMBERSHIP( MEMBERSHIP_ID INT PRIMARY KEY,
MEMBER_ID INT, CLASS_ID INT, START_DATE DATE, END_DATE
DATE, FOREIGN KEY (MEMBER_ID) REFERENCES MEMBER
(MEMBER_ID), FOREIGN KEY(CLASS_ID) REFERENCES
CLASS(CLASS_ID));
INSERT INTO MEMBER VALUES(1, 'ANJALI SHARMA', '2024-03-12', 'DELHI');
INSERT INTO MEMBER VALUES(2, 'ROHAN VERMA', '2024-05-20', 'AHMEDABAD');
INSERT INTO MEMBER VALUES(3, 'SNEHA KAPOOR', '2024-11-10', 'JAIPUR');
INSERT INTO MEMBER VALUES(4, 'ARYAN MEHTA', '2024-02-14', 'MUMBAI');
INSERT INTO MEMBER VALUES(5, 'PRIYA NAIR', '2024-06-08', 'KOLKATA');
INSERT INTO MEMBER VALUES(6, 'MANAV GUPTA', '2024-12-30', 'UNKNOWN');
INSERT INTO TRAINER VALUES(1, 'SIDDHARTH SINGH', 'CARDIO');
INSERT INTO TRAINER VALUES(2, 'NEHA PATIL', 'STRENGTH');
INSERT INTO TRAINER VALUES(3, 'SURESH IYER', 'CROSSFIT');
INSERT INTO CLASS VALUES (101, 'MORNING YOGA', 1);
INSERT INTO CLASS VALUES (102, 'POWER PILATES', 2);
INSERT INTO CLASS VALUES (103, 'HIIT BLAST', 3);
INSERT INTO CLASS VALUES (104, 'EVENING YOGA FLOW', 1);
INSERT INTO MEMBERSHIP VALUES (201, 1, 101, '2024-03-15', '2024-06-15');
INSERT INTO MEMBERSHIP VALUES (202, 2, 103, '2024-05-25', '2024-08-25');
INSERT INTO MEMBERSHIP VALUES (203, 3, 104, '2023-11-12', '2024-02-12');
INSERT INTO MEMBERSHIP VALUES (204, 4, 102, '2024-02-20', '2024-05-20');
INSERT INTO MEMBERSHIP VALUES (205, 5, 101, '2024-06-10', '2024-09-10');
UPDATE TRAINER SET SPECIALIZATION ='GENEREAL FITNESS' WHERE NAME LIKE 'S%' ;
DELETE FROM MEMBER WHERE CITY = 'UNKNOWN';
SELECT*FROM MEMBER WHERE JOIN_DATE > '2024-01-01';
ALTER TABLE CLASS ADD MONTHLY_FEE DECIMAL(7,2);
UPDATE CLASS SET MONTHLY_FEE = 2000 WHERE CLASS_NAME LIKE '%PILATES%';
SELECT * FROM TRAINER WHERE LENGTH(SPECIALIZATION) = 10;
```

SOLUTION OUTPUT

```
mysql> DELETE FROM MEMBER WHERE CITY = 'UNKNOWN';
Query OK, 1 row affected (0.05 sec)

mysql> SELECT*FROM MEMBER WHERE JOIN_DATE > '2024-01-01';
+-----------+---------------+------------+-----------+
| MEMBER_ID | NAME          | JOIN_DATE  | CITY      |
+-----------+---------------+------------+-----------+
|         1 | ANJALI SHARMA | 2024-03-12 | DELHI     |
|         2 | ROHAN VERMA   | 2024-05-20 | AHMEDABAD |
|         3 | SNEHA KAPOOR  | 2024-11-10 | JAIPUR    |
|         4 | ARYAN MEHTA   | 2024-02-14 | MUMBAI    |
|         5 | PRIYA NAIR    | 2024-06-08 | KOLKATA   |
+-----------+---------------+------------+-----------+
5 rows in set (0.02 sec)

mysql> ALTER TABLE CLASS ADD MONTHLY_FEE DECIMAL(7,2);
Query OK, 0 rows affected (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> UPDATE CLASS SET MONTHLY_FEE = 2000 WHERE CLASS_NAME LIKE '%PILATES%';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM TRAINER WHERE LENGTH(SPECIALIZATION) = 10;
Empty set (0.05 sec)

mysql> SELECT * FROM MEMBER;
+-----------+---------------+------------+-----------+
| MEMBER_ID | NAME          | JOIN_DATE  | CITY      |
+-----------+---------------+------------+-----------+
|         1 | ANJALI SHARMA | 2024-03-12 | DELHI     |
|         2 | ROHAN VERMA   | 2024-05-20 | AHMEDABAD |
|         3 | SNEHA KAPOOR  | 2024-11-10 | JAIPUR    |
|         4 | ARYAN MEHTA   | 2024-02-14 | MUMBAI    |
|         5 | PRIYA NAIR    | 2024-06-08 | KOLKATA   |
+-----------+---------------+------------+-----------+
5 rows in set (0.00 sec)

mysql> SELECT * FROM TRAINER;
+------------+-----------------+------------------+
| TRAINER_ID | NAME            | SPECIALIZATION   |
+------------+-----------------+------------------+
|          1 | SIDDHARTH SINGH | GENEREAL FITNESS |
|          2 | NEHA PATIL      | STRENGTH         |
|          3 | SURESH IYER     | GENEREAL FITNESS |
+------------+-----------------+------------------+
3 rows in set (0.00 sec)

mysql> SELECT * FROM CLASS;
+----------+------------------+------------+-------------+
| CLASS_ID | CLASS_NAME       | TRAINER_ID | MONTHLY_FEE |
+----------+------------------+------------+-------------+
|      101 | MORNING YOGA     |          1 |        NULL |
|      102 | POWER PILATES    |          2 |     2000.00 |
|      103 | HIIT BLAST       |          3 |        NULL |
|      104 | EVENING YOGA FLOW|          1 |        NULL |
+----------+------------------+------------+-------------+
4 rows in set (0.00 sec)

mysql> SELECT * FROM MEMBERSHIP;
+---------------+-----------+----------+------------+------------+
| MEMBERSHIP_ID | MEMBER_ID | CLASS_ID | START_DATE | END_DATE   |
+---------------+-----------+----------+------------+------------+
|           201 |         1 |      101 | 2024-03-15 | 2024-06-15 |
|           202 |         2 |      103 | 2024-05-25 | 2024-08-25 |
|           203 |         3 |      104 | 2023-11-12 | 2024-02-12 |
|           204 |         4 |      102 | 2024-02-20 | 2024-05-20 |
|           205 |         5 |      101 | 2024-06-10 | 2024-09-10 |
+---------------+-----------+----------+------------+------------+
5 rows in set (0.00 sec)
```

Figure 2: output for problem 2

3   PROBLEM3: MOVIE RENTAL STORE

sql queries

```
CREATE TABLE MOVIE ( MOVIE_ID INT PRIMARY KEY, TITLE
VARCHAR(100), GENRE VARCHAR(30), RELEASE_YEAR INT);
CREATE TABLE CUSTOMER ( CUSTOMER_ID INT PRIMARY KEY, NAME
VARCHAR(50), PHONE VARCHAR(15));
CREATE TABLE RENTAL ( RENTAL_ID INT PRIMARY KEY,
RENTAL_DATE DATE, CUSTOMER_ID INT, FOREIGN KEY
(CUSTOMER_ID) REFERENCES CUSTOMER(CUSTOMER_ID));
CREATE TABLE RENTALDETAILS ( RENTAL_DETAIL_ID INT PRIMARY
KEY, RENTAL_ID INT, MOVIE_ID INT, RETURN_DATE DATE, FOREIGN
KEY (RENTAL_ID) REFERENCES RENTAL(RENTAL_ID), FOREIGN KEY
(MOVIE_ID) REFERENCES MOVIE(MOVIE_ID));
INSERT INTO MOVIE VALUES (1, 'THE LOST TREASURE', 'ADVENTURE', 1998);
INSERT INTO MOVIE VALUES (2, 'SKYLINE HEIGHTS', 'ACTION', 2015);
INSERT INTO MOVIE VALUES (3, 'LAUGH OUT LOUD', 'COMEDY', 2018);
INSERT INTO MOVIE VALUES (4, 'DEEP BLUE SEA', 'THRILLER', 2005);
INSERT INTO MOVIE VALUES (5, 'CITY LIGHTS', 'DRAMA', 2012);
INSERT INTO MOVIE VALUES (6, 'FAST STRIKE', 'ACTION', 2019);
INSERT INTO CUSTOMER VALUES (101, 'RAHUL VERMA', '9893925867');
INSERT INTO CUSTOMER VALUES (102, 'PRIYA DESAI', '9893925377');
INSERT INTO CUSTOMER VALUES (103, 'KARAN PATEL', '9893922177');
INSERT INTO CUSTOMER VALUES (104, 'MAYA IYER', '9343922177');
INSERT INTO RENTAL VALUES (201, '2024-02-01', 101);
INSERT INTO RENTAL VALUES (202, '2024-02-05', 102);
INSERT INTO RENTAL VALUES (203, '2024-02-10', 103);
INSERT INTO RENTAL VALUES (204, '2024-02-12', 101);
INSERT INTO RENTAL VALUES (205, '2024-03-15', 104);
INSERT INTO RENTALDETAILS VALUES (301, 201, 2, '2024-02-10');
INSERT INTO RENTALDETAILS VALUES (302, 202, 3, '2024-02-15');
INSERT INTO RENTALDETAILS VALUES (303, 203, 1, '2024-03-20');
INSERT INTO RENTALDETAILS VALUES (304, 204, 4, '2024-03-18');
INSERT INTO RENTALDETAILS VALUES (305, 205, 5, '2024-03-25');
UPDATE MOVIE SET GENRE = 'CLASSIC' WHERE RELEASE_YEAR <2000;
DELETE FROM MOVIE WHERE TITLE LIKE '%TEST%';
SELECT * FROM CUSTOMER WHERE NAME LIKE '%PATEL';
SELECT * FROM MOVIE WHERE RELEASE_YEAR BETWEEN 2010 AND 2020;
UPDATE CUSTOMER SET PHONE = '9999999999' WHERE NAME = 'RAHUL VERMA';
SELECT * FROM MOVIE WHERE GENRE LIKE '%ACTION%';
ALTER TABLE MOVIE ADD RENTAL_PRICE DECIMAL(6,2);
UPDATE MOVIE SET RENTAL_PRICE = 150 WHERE GENRE = 'COMEDY';
```

SOLUTION OUTPUT

```
mysql> INSERT INTO RENTALDETAILS VALUES (304, 204, 4, '2024-03-18');
Query OK, 1 row affected (0.05 sec)

mysql> INSERT INTO RENTALDETAILS VALUES (305, 205, 5, '2024-03-25');
Query OK, 1 row affected (0.02 sec)

mysql> UPDATE MOVIE SET GENRE = 'CLASSIC' WHERE RELEASE_YEAR <2000;
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> DELETE FROM MOVIE WHERE TITLE LIKE '%TEST%';
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT * FROM CUSTOMER WHERE NAME LIKE '%PATEL';
+-------------+--------------+------------+
| CUSTOMER_ID | NAME         | PHONE      |
+-------------+--------------+------------+
|         103 | KARAN PATEL  | 9893922177 |
+-------------+--------------+------------+
1 row in set (0.00 sec)

mysql> SELECT * FROM MOVIE WHERE RELEASE_YEAR BETWEEN 2010 AND 2020;
+----------+-----------------+--------+--------------+
| MOVIE_ID | TITLE           | GENRE  | RELEASE_YEAR |
+----------+-----------------+--------+--------------+
|        2 | SKYLINE HEIGHTS | ACTION |         2015 |
|        3 | LAUGH OUT LOUD  | COMEDY |         2018 |
|        5 | CITY LIGHTS     | DRAMA  |         2012 |
|        6 | FAST STRIKE     | ACTION |         2019 |
+----------+-----------------+--------+--------------+
4 rows in set (0.00 sec)
```

```
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM MOVIE GENRE LIKE '%ACTION%';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that c
mysql> SELECT * FROM MOVIE WHERE GENRE LIKE '%ACTION%';
+----------+----------------+--------+--------------+
| MOVIE_ID | TITLE          | GENRE  | RELEASE_YEAR |
+----------+----------------+--------+--------------+
|        2 | SKYLINE HEIGHTS | ACTION |         2015 |
|        6 | FAST STRIKE    | ACTION |         2019 |
+----------+----------------+--------+--------------+
2 rows in set (0.00 sec)

mysql> ALTER TABLE MOVIE ADD RENTAL_PRICE DECIMAL(6,2);
Query OK, 0 rows affected (0.09 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> UPDATE MOVIE SET RENTAL_PRICE = 150 WHERE GENRE = 'COMEDY';
Query OK, 1 row affected (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM MOVIE;
+----------+------------------+----------+--------------+--------------+
| MOVIE_ID | TITLE            | GENRE    | RELEASE_YEAR | RENTAL_PRICE |
+----------+------------------+----------+--------------+--------------+
|        1 | THE LOST TREASURE | CLASSIC  |         1998 |         NULL |
|        2 | SKYLINE HEIGHTS  | ACTION   |         2015 |         NULL |
|        3 | LAUGH OUT LOUD   | COMEDY   |         2018 |       150.00 |
|        4 | DEEP BLUE SEA    | THRILLER |         2005 |         NULL |
|        5 | CITY LIGHTS      | DRAMA    |         2012 |         NULL |
|        6 | FAST STRIKE      | ACTION   |         2019 |         NULL |
+----------+------------------+----------+--------------+--------------+
6 rows in set (0.00 sec)

mysql> SELECT * FROM CUSTOMER;
+-------------+-------------+------------+
| CUSTOMER_ID | NAME        | PHONE      |
+-------------+-------------+------------+
|         101 | RAHUL VERMA | 9999999999 |
|         102 | PRIYA DESAI | 9893925377 |
|         103 | KARAN PATEL | 9893922177 |
|         104 | MAYA IYER   | 9343922177 |
+-------------+-------------+------------+
4 rows in set (0.00 sec)

mysql> SELECT * FROM RENTAL;
+-----------+-------------+-------------+
| RENTAL_ID | RENTAL_DATE | CUSTOMER_ID |
+-----------+-------------+-------------+
|       201 | 2024-02-01  |         101 |
|       202 | 2024-02-05  |         102 |
|       203 | 2024-02-10  |         103 |
|       204 | 2024-02-12  |         101 |
|       205 | 2024-03-15  |         104 |
+-----------+-------------+-------------+
5 rows in set (0.00 sec)

mysql> SELECT * FROM RENTALDETAILS;
+------------------+-----------+----------+-------------+
| RENTAL_DETAIL_ID | RENTAL_ID | MOVIE_ID | RETURN_DATE |
+------------------+-----------+----------+-------------+
|              301 |       201 |        2 | 2024-02-10  |
|              302 |       202 |        3 | 2024-02-15  |
|              303 |       203 |        1 | 2024-03-20  |
|              304 |       204 |        4 | 2024-03-18  |
|              305 |       205 |        5 | 2024-03-25  |
+------------------+-----------+----------+-------------+
5 rows in set (0.00 sec)
```
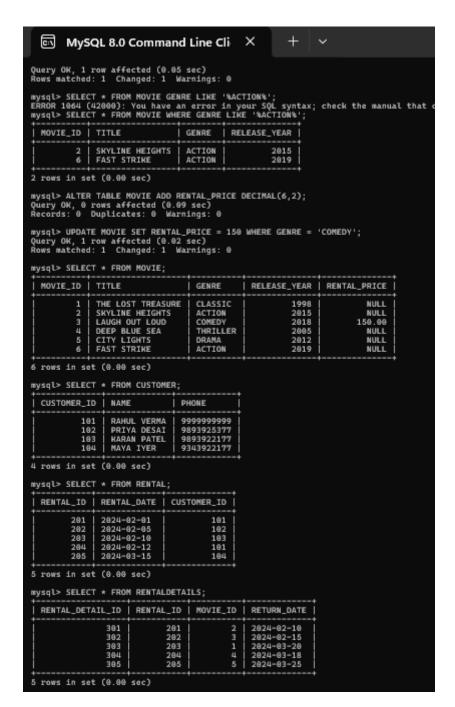
Figure 3: output for problem 2