

- a. Retrieve all the books from the database.

PROGRAM

```
CREATE DATABASE BOOKSDB;

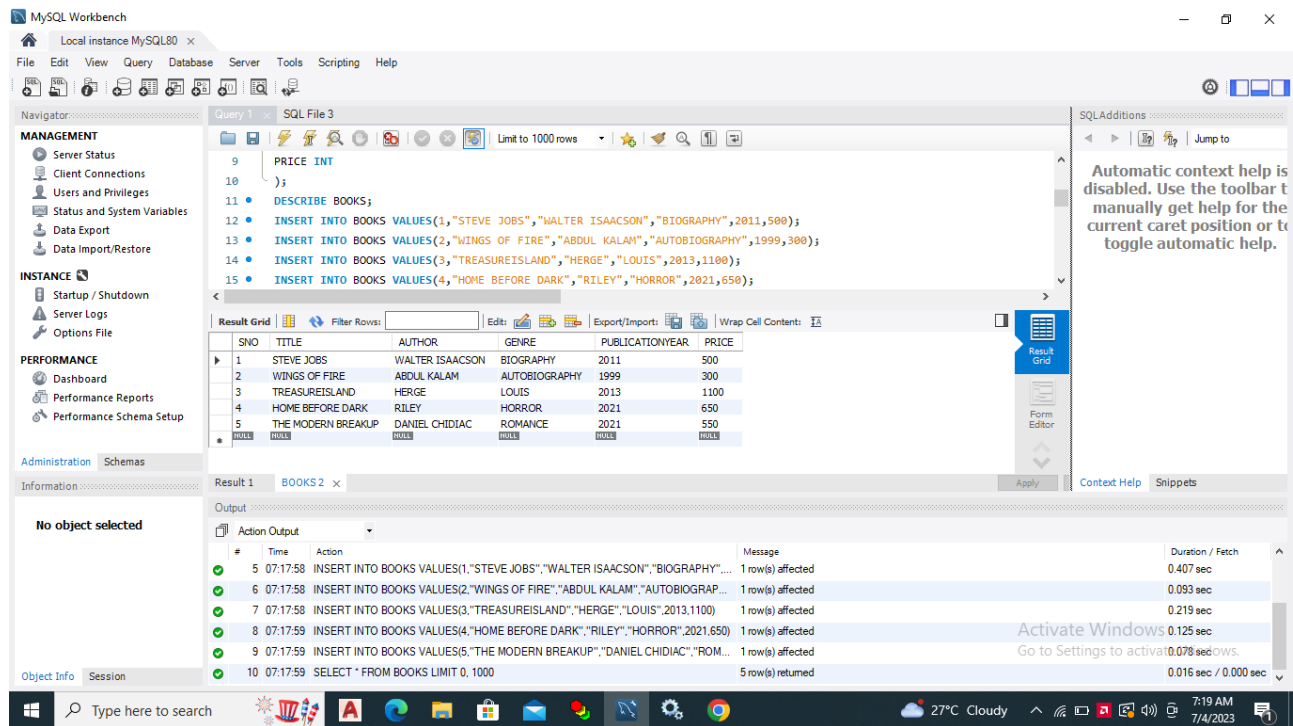
USE BOOKSDB;

CREATE TABLE BOOKS(
SNO INT PRIMARY KEY ,
TITLE VARCHAR(50),
AUTHOR VARCHAR(30),
GENRE VARCHAR(30),
PUBLICATIONYEAR INT ,
PRICE INT
);

DESCRIBE BOOKS;

INSERT INTO BOOKS VALUES(1,"STEVE JOBS","WALTER ISAACSON","BIOGRAPHY",2011,500);
INSERT INTO BOOKS VALUES(2,"WINGS OF FIRE","ABDUL KALAM","AUTOBIOGRAPHY",1999,300);
INSERT INTO BOOKS VALUES(3,"TREASUREISLAND","HERGE","LOUIS",2013,1100);
INSERT INTO BOOKS VALUES(4,"HOME BEFORE DARK","RILEY","HORROR",2021,650);
INSERT INTO BOOKS VALUES(5,"THE MODERN BREAKUP","DANIEL CHIDIAC","ROMANCE",2021,550);
SELECT * FROM BOOKS;
```

OUTPUT :



b. Retrieve the details of a book based on its title.

PROGRAM

```
CREATE DATABASE BOOKSDB;
```

```
USE BOOKSDB;
```

```
CREATE TABLE BOOKS(
```

```
SNO INT PRIMARY KEY ,
```

```
TITLE VARCHAR(50),
```

```
AUTHOR VARCHAR(30),
```

```
GENRE VARCHAR(30),
```

```
PUBLICATIONYEAR INT ,
```

```
PRICE INT
```

```
);
```

```
DESCRIBE BOOKS;
```

```
INSERT INTO BOOKS VALUES(1,"STEVE JOBS","WALTER ISAACSON","BIOGRAPHY",2011,500);
```

```

INSERT INTO BOOKS VALUES(2,"WINGS OF FIRE","ABDUL KALAM","AUTOBIOGRAPHY",1999,300);

INSERT INTO BOOKS VALUES(3,"TREASUREISLAND","HERGE","LOUIS",2013,1100);

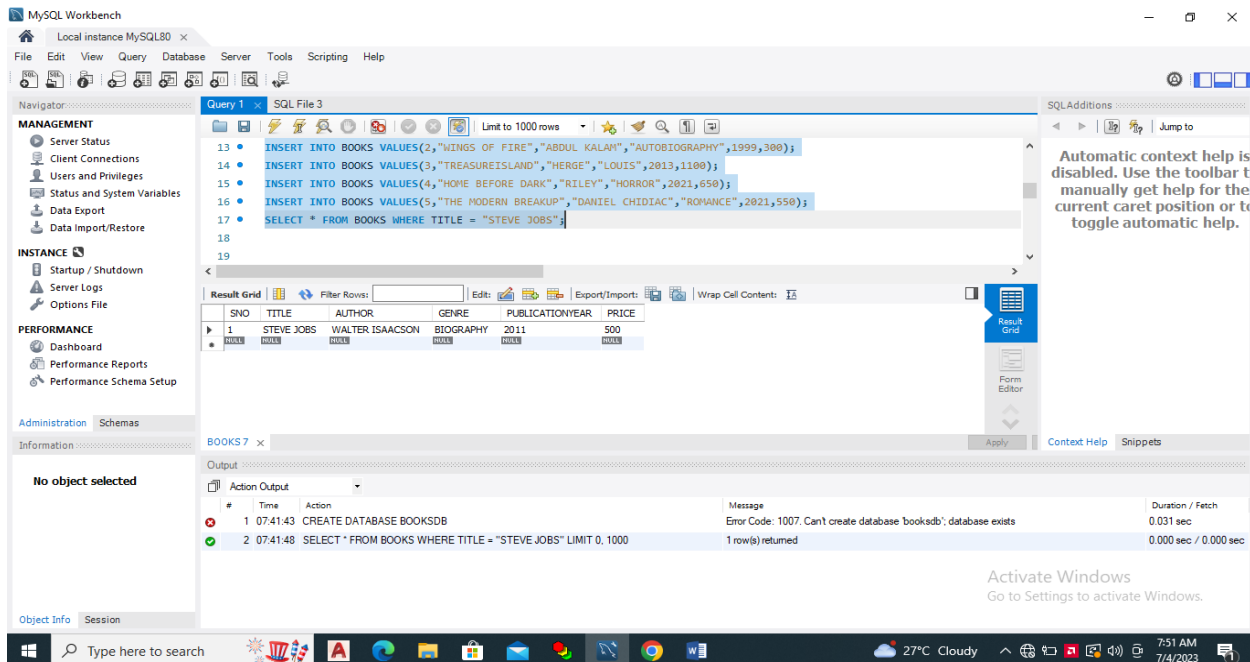
INSERT INTO BOOKS VALUES(4,"HOME BEFORE DARK","RILEY","HORROR",2021,650);

INSERT INTO BOOKS VALUES(5,"THE MODERN BREAKUP","DANIEL CHIDIAC","ROMANCE",2021,550);

SELECT * FROM BOOKS WHERE TITLE = "STEVE JOBS";

```

OUTPUT :



c. Update the price of a book.

PROGRAM

```

CREATE DATABASE BOOKSDB;
USE BOOKSDB;
CREATE TABLE BOOKS(
SNO INT PRIMARY KEY ,
TITLE VARCHAR(50),
AUTHOR VARCHAR(30),
GENRE VARCHAR(30),

```

```

PUBLICATIONYEAR INT ,
PRICE INT
);
DESCRIBE BOOKS;
INSERT INTO BOOKS VALUES(1,"STEVE JOBS","WALTER
ISAACSON","BIOGRAPHY",2011,500);
INSERT INTO BOOKS VALUES(2,"WINGS OF FIRE","ABDUL
KALAM","AUTOBIOGRAPHY",1999,300);
INSERT INTO BOOKS
VALUES(3,"TREASUREISLAND","HERGE","LOUIS",2013,1100);
INSERT INTO BOOKS VALUES(4,"HOME BEFORE
DARK","RILEY","HORROR",2021,650);
INSERT INTO BOOKS VALUES(5,"THE MODERN BREAKUP","DANIEL
CHIDIAC","ROMANCE",2021,550);
UPDATE BOOKS SET PRICE = 1050 WHERE SNO = 1;
SELECT * FROM BOOKS;

```

OUTPUT

The screenshot displays the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' section with options like Server Status, Client Connections, and Users and Privileges. The 'INSTANCE' section shows Startup / Shutdown, Server Logs, and Options File. The 'PERFORMANCE' section includes Dashboard, Performance Reports, and Performance Schema Setup. The 'Administration' section has Information and Schemas. The 'Output' section at the bottom shows the results of the executed queries.

The SQL Editor shows the following queries:

```

13 INSERT INTO BOOKS VALUES(2,"WINGS OF FIRE","ABDUL KALAM","AUTOBIOGRAPHY",1999,300);
14 INSERT INTO BOOKS VALUES(3,"TREASUREISLAND","HERGE","LOUIS",2013,1100);
15 INSERT INTO BOOKS VALUES(4,"HOME BEFORE DARK","RILEY","HORROR",2021,650);
16 INSERT INTO BOOKS VALUES(5,"THE MODERN BREAKUP","DANIEL CHIDIAC","ROMANCE",2021,550);
17 UPDATE BOOKS SET PRICE = 1050 WHERE SNO = 1;
18 SELECT * FROM BOOKS;

```

The Result Grid shows the output of the SELECT query:

SNO	TITLE	AUTHOR	GENRE	PUBLICATIONYEAR	PRICE
1	STEVE JOBS	WALTER ISAACSON	BIOGRAPHY	2011	500
2	WINGS OF FIRE	ABDUL KALAM	AUTOBIOGRAPHY	1999	300
3	TREASUREISLAND	HERGE	LOUIS	2013	1100
4	HOME BEFORE DARK	RILEY	HORROR	2021	650
5	THE MODERN BREAKUP	DANIEL CHIDIAC	ROMANCE	2021	550

The Output section shows the execution of the queries:

#	Time	Action	Message	Duration / Fetch
1	07:41:43	CREATE DATABASE BOOKSDB	Error Code: 1007. Can't create database 'booksdb'; database exists	0.031 sec
2	07:41:48	SELECT * FROM BOOKS WHERE TITLE = "STEVE JOBS" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
3	07:56:07	CREATE DATABASE BOOKSDB	Error Code: 1007. Can't create database 'booksdb'; database exists	0.000 sec
4	07:56:10	SELECT * FROM BOOKS LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

d. Delete a book from the database based on its title.

PROGRAM

```
CREATE DATABASE BOOKSDB;
```

```
USE BOOKSDB;
```

```
CREATE TABLE BOOKS(
```

```
SNO INT PRIMARY KEY ,
```

```
TITLE VARCHAR(50),
```

```
AUTHOR VARCHAR(30),
```

```
GENRE VARCHAR(30),
```

```
PUBLICATIONYEAR INT ,
```

```
PRICE INT
```

```
);
```

```
DESCRIBE BOOKS;
```

```
INSERT INTO BOOKS VALUES(1,"THE REAL
```

```
YOGI","GANA","BIOGRAPHY",2022,500);
```

```
INSERT INTO BOOKS VALUES(2,"NA
```

```
ISHTAM","RAMGOPALVARMA","AUTOBIOGRAPHY",2022,300);
```

```
INSERT INTO BOOKS VALUES(3,"EXPLORERS ON THE
```

```
MOON","HERGE","ADVENTURE",2013,1100);
```

```
INSERT INTO BOOKS VALUES(4,"HOME BEFORE
```

```
DARK","RILEY","HORROR",2021,650);
```

```
INSERT INTO BOOKS VALUES(5,"THE MODERN BREAKUP","DANIEL
```

CHIDIAC","ROMANCE",2021,550);

DELETE FROM BOOKS WHERE TITLE="NA ISHTAM";

OUTPUT

The screenshot displays the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' and 'INSTANCE' sections. The main window shows a SQL script with several INSERT and DELETE statements. The 'Output' tab at the bottom shows the execution results of the DELETE statements.

SQL Script:

```
12 INSERT INTO BOOKS VALUES(1,"THE REAL
13 YOGI","GANA","BIOGRAPHY",2022,500);
14 INSERT INTO BOOKS VALUES(2,"NA
15 ISHTAM","RANGOPALVARMA","AUTOBIOGRAPHY",2022,300);
16 INSERT INTO BOOKS VALUES(3,"EXPLORERS ON THE
17 MOON","HERGE","ADVENTURE",2013,1100);
18 INSERT INTO BOOKS VALUES(4,"HOME BEFORE
19 DARK","RILEY","HORROR",2021,650);
20 INSERT INTO BOOKS VALUES(5,"THE MODERN BREAKUP","DANIEL
21 CHIDIAC","ROMANCE",2021,550);
22 DELETE FROM BOOKS WHERE TITLE="NA ISHTAM";
```

Output:

#	Time	Action	Message	Duration / Fetch
1	08:08:49	DELETE FROM BOOKS WHERE TITLE="NA ISHTAM"	0 row(s) affected	0.016 sec
2	08:08:50	DELETE FROM BOOKS WHERE TITLE="NA ISHTAM"	0 row(s) affected	0.000 sec
3	08:08:50	DELETE FROM BOOKS WHERE TITLE="NA ISHTAM"	0 row(s) affected	0.016 sec

Activate Windows
Go to Settings to activate Windows.