1. Once upon a time, in a small town called SQLville, there was a renowned bookstore named "Books & Bytes." The store had a vast collection of books, ranging from classic literature to modern technology.

As part of their college curriculum, the students of SQLville University were tasked with learning the basics of MySQL and database management. To make the learning experience more interactive and practical, the bookstore decided to collaborate with the university and create a hands-on assignment for the students.

Assignment:

You are a student studying computer science at SQLville University, and you have recently started your journey into the world of databases and SQL. The assignment given to you by "Books & Bytes" is as follows:

Create a database named "BooksDB" to store information about the bookstore's collection of books.

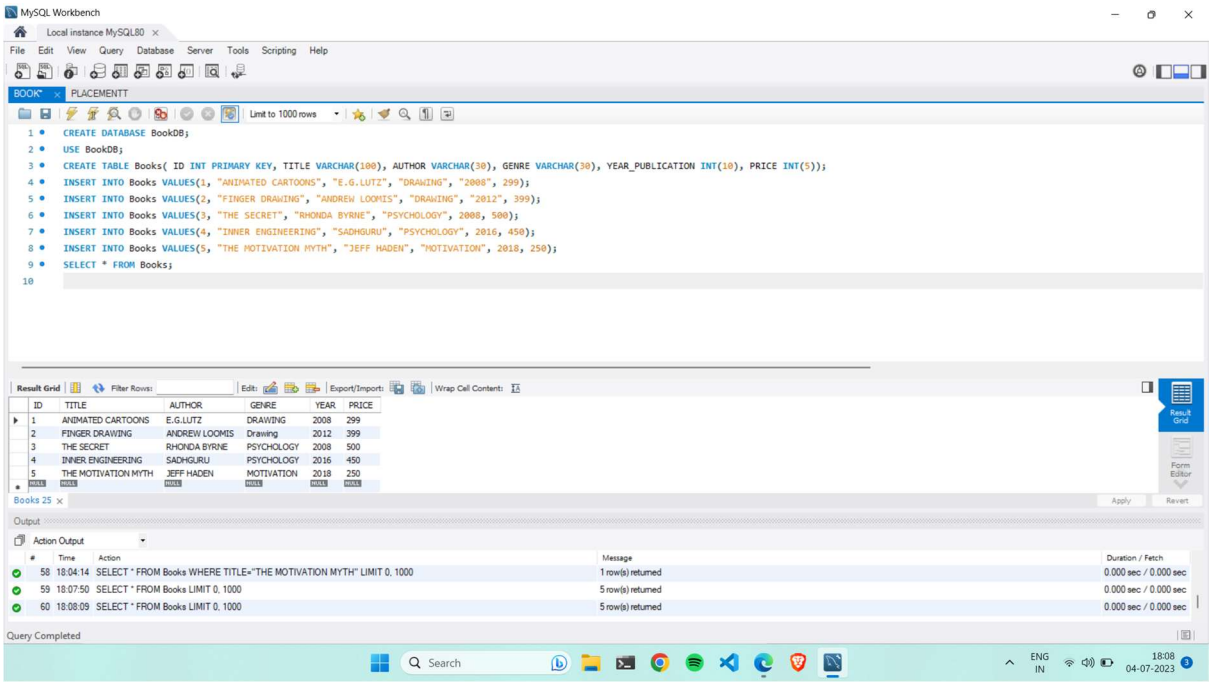
Design a table called "Books" to store the details of each book, including the book's title, author, genre, publication year, and price.

Insert at least five books into the "Books" table, ensuring that each book has unique information for all columns.

Write SQL queries to perform the following tasks:
a. Retrieve all the books from the database.
b. Retrieve the details of a book based on its title.
c. Update the price of a book.
d. Delete a book from the database based on its title.

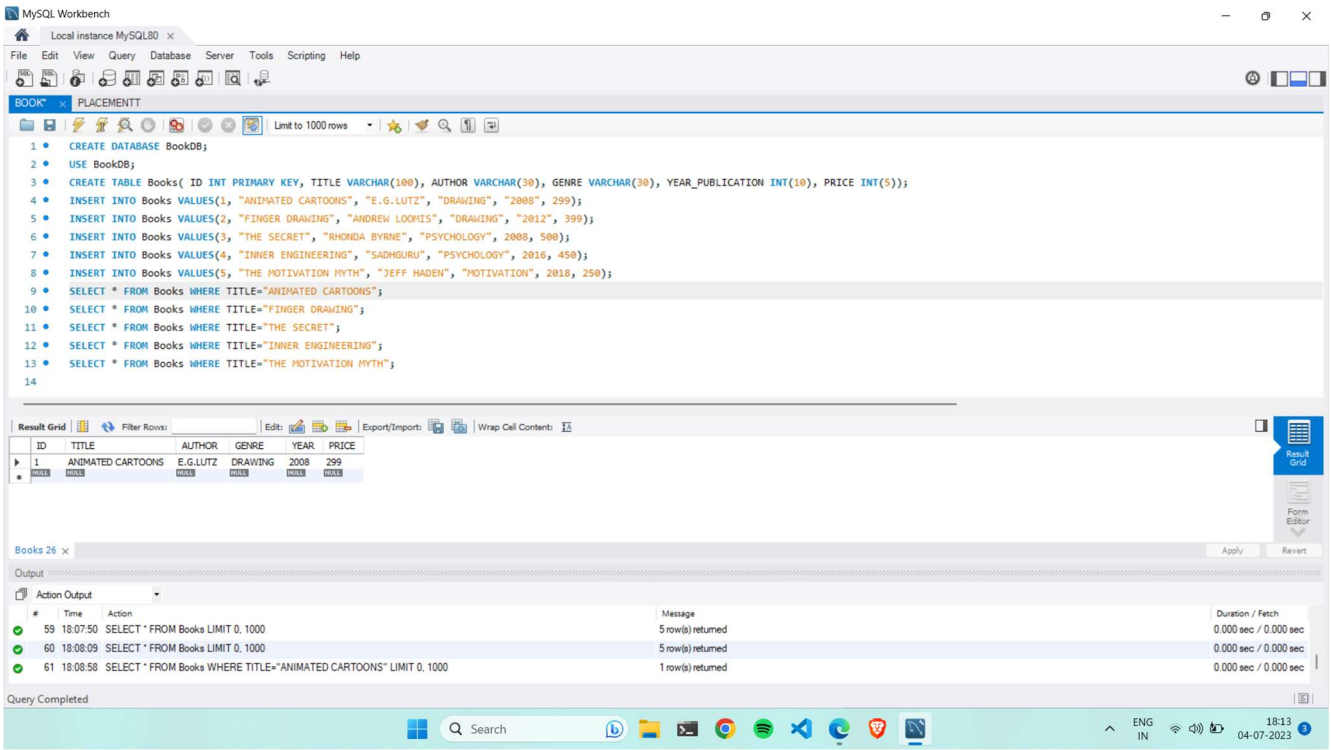
A. Retrieve all the books from the database.

```
CREATE DATABASE BookDB;

USE BookDB;

CREATE TABLE Books( ID INT PRIMARY KEY, TITLE VARCHAR(100), AUTHOR VARCHAR(30), GENRE VARCHAR(30), YEAR_PUBLICATION INT(10), PRICE INT(5));

INSERT INTO Books VALUES(1, "ANIMATED CARTOONS", "E.G.LUTZ", "DRAWING", 2008, 299);

INSERT INTO Books VALUES(2, "FINGER DRAWING", "ANDREW LOOMIS", "DRAWING", 2012, 399);

INSERT INTO Books VALUES(3, "THE SECRET", "RHONDA BYRNE", "PSYCHOLOGY", 2008, 500);

INSERT INTO Books VALUES(4, "INNER ENGINEERING", "SADHGURU", "PSYCHOLOGY", 2016, 450);

INSERT INTO Books VALUES(5, "THE MOTIVATION MYTH", "JEFF HADEN", "MOTIVATION", 2018, 250);

SELECT * FROM Books;
```



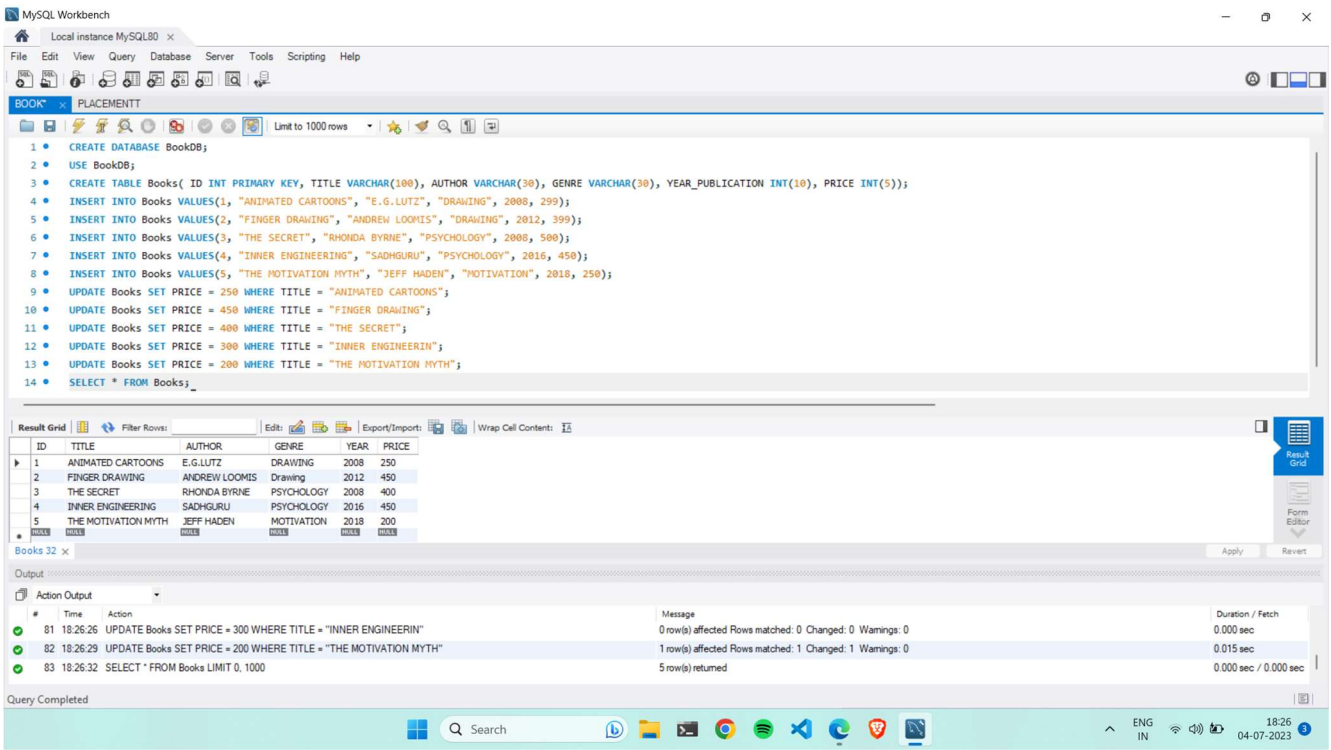
B. Retrieve the details of a book based on its title.

```
CREATE DATABASE BookDB;
USE BookDB;
CREATE TABLE Books( ID INT PRIMARY KEY, TITLE VARCHAR(100), AUTHOR VARCHAR(30), GENRE VARCHAR(30), YEAR_PUBLICATION INT(10), PRICE INT(5));
INSERT INTO Books VALUES(1, "ANIMATED CARTOONS", "E.G.LUTZ", "DRAWING", 2008, 299);
INSERT INTO Books VALUES(2, "FINGER DRAWING", "ANDREW LOOMIS", "DRAWING", 2012, 399);
INSERT INTO Books VALUES(3, "THE SECRET", "RHONDA BYRNE", "PSYCHOLOGY", 2008, 500);
INSERT INTO Books VALUES(4, "INNER ENGINEERING", "SADHGURU", "PSYCHOLOGY", 2016, 450);
INSERT INTO Books VALUES(5, "THE MOTIVATION MYTH", "JEFF HADEN", "MOTIVATION", 2018, 250);
SELECT * FROM Books WHERE TITLE="ANIMATED CARTOONS";
SELECT * FROM Books WHERE TITLE="FINGER DRAWING";
SELECT * FROM Books WHERE TITLE="THE SECRET";
SELECT * FROM Books WHERE TITLE="INNER ENGINEERING";
SELECT * FROM Books WHERE TITLE="THE MOTIVATION MYTH";
```



C. Update the price of a book.

```
CREATE DATABASE BookDB;
USE BookDB;
CREATE TABLE Books( ID INT PRIMARY KEY, TITLE VARCHAR(100), AUTHOR VARCHAR(30), GENRE VARCHAR(30), YEAR_PUBLICATION INT(10), PRICE INT(5));
INSERT INTO Books VALUES(1, "ANIMATED CARTOONS", "E.G.LUTZ", "DRAWING", 2008, 299);
INSERT INTO Books VALUES(2, "FINGER DRAWING", "ANDREW LOOMIS", "DRAWING", 2012, 399);
INSERT INTO Books VALUES(3, "THE SECRET", "RHONDA BYRNE", "PSYCHOLOGY", 2008, 500);
INSERT INTO Books VALUES(4, "INNER ENGINEERING", "SADHGURU", "PSYCHOLOGY", 2016, 450);
INSERT INTO Books VALUES(5, "THE MOTIVATION MYTH", "JEFF HADEN", "MOTIVATION", 2018, 250);
UPDATE Books SET PRICE = 250 WHERE TITLE = "ANIMATED CARTOONS";
UPDATE Books SET PRICE = 450 WHERE TITLE = "FINGER DRAWING";
UPDATE Books SET PRICE = 400 WHERE TITLE = "THE SECRET";
UPDATE Books SET PRICE = 300 WHERE TITLE = "INNER ENGINEERING";
UPDATE Books SET PRICE = 200 WHERE TITLE = "THE MOTIVATION MYTH";
SELECT * FROM Books;
```



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

```
CREATE DATABASE BookDB;

USE BookDB;

CREATE TABLE Books( ID INT PRIMARY KEY, TITLE VARCHAR(100), AUTHOR VARCHAR(30), GENRE VARCHAR(30), YEAR_PUBLICATION INT(10), PRICE INT(5));

INSERT INTO Books VALUES(1, "ANIMATED CARTOONS", "E.G.LUTZ", "DRAWING", 2008, 299);

INSERT INTO Books VALUES(2, "FINGER DRAWING", "ANDREW LOOMIS", "DRAWING", 2012, 399);

INSERT INTO Books VALUES(3, "THE SECRET", "RHONDA BYRNE", "PSYCHOLOGY", 2008, 500);

INSERT INTO Books VALUES(4, "INNER ENGINEERING", "SADHGURU", "PSYCHOLOGY", 2016, 450);

INSERT INTO Books VALUES(5, "THE MOTIVATION MYTH", "JEFF HADEN", "MOTIVATION", 2018, 250);

DELETE FROM Books WHERE TITLE ="ANIMATED CARTOONS";

SELECT * FROM Books;
```