

SQL ASSIGNMENT – 1

1. Retrieve all the books from the database.

Coding:

```
CREATE DATABASE BOOKSDB;
USE BOOKSDB;
DROP TABLE BOOKS;
CREATE TABLE BOOKS(
ID INT PRIMARY KEY,
TITTLE VARCHAR(20),
AUTHOR VARCHAR(30),
GENRE VARCHAR(20),
PUBLICATIONYEAR INT ,
PRICE DECIMAL(8,2)
);
INSERT INTO BOOKS VALUES(1,"How Music Works" ,"David
Byrne","Music",2012,279.90);
INSERT INTO BOOKS VALUES(2,"The Book of Wonders","Jasmine Richards"
,"About Wonders",2012,300.50);
INSERT INTO BOOKS VALUES(3,"Guinness Records","Hugh Beaver","World
Records",2022,600.00);
INSERT INTO BOOKS VALUES(4,"Harry Potter" ,"J.K.
Rowling","Fantasy",1997,1500.00);
INSERT INTO BOOKS VALUES(5,"All About Friends" ,"Felicity
Brooks","Friendship",2020,752.00);
SELECT * FROM BOOKS;
```

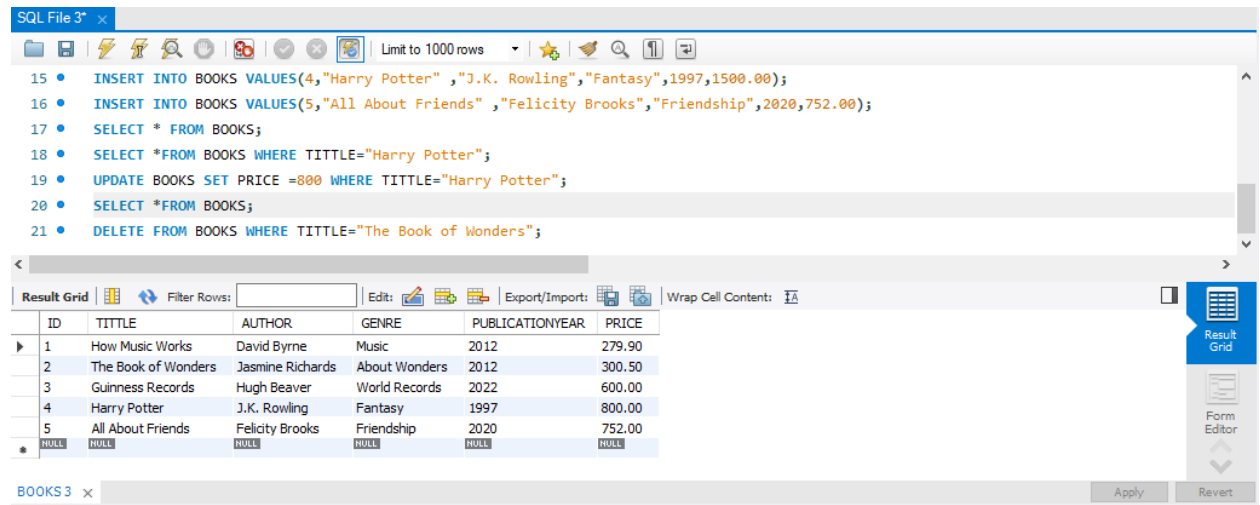
Output:

3 Update the price of a book.

Coding:

```
UPDATE BOOKS SET PRICE =800 WHERE TITTLE="Harry Potter";  
SELECT *FROM BOOKS;
```

Output:



The screenshot shows a SQL IDE window titled "SQL File 3". The script contains the following SQL commands:

```
15 • INSERT INTO BOOKS VALUES(4,"Harry Potter" ,"J.K. Rowling","Fantasy",1997,1500.00);  
16 • INSERT INTO BOOKS VALUES(5,"All About Friends" ,"Felicity Brooks","Friendship",2020,752.00);  
17 • SELECT * FROM BOOKS;  
18 • SELECT *FROM BOOKS WHERE TITTLE="Harry Potter";  
19 • UPDATE BOOKS SET PRICE =800 WHERE TITTLE="Harry Potter";  
20 • SELECT *FROM BOOKS;  
21 • DELETE FROM BOOKS WHERE TITTLE="The Book of Wonders";
```

Below the script, the "Result Grid" is displayed, showing the output of the SQL commands. The grid has columns: ID, TITTLE, AUTHOR, GENRE, PUBLICATIONYEAR, and PRICE. The data is as follows:

ID	TITTLE	AUTHOR	GENRE	PUBLICATIONYEAR	PRICE
1	How Music Works	David Byrne	Music	2012	279.90
2	The Book of Wonders	Jasmine Richards	About Wonders	2012	300.50
3	Guinness Records	Hugh Beaver	World Records	2022	600.00
4	Harry Potter	J.K. Rowling	Fantasy	1997	800.00
5	All About Friends	Felicity Brooks	Friendship	2020	752.00
*	NULL	NULL	NULL	NULL	NULL

The IDE also shows a "Filter Rows" field, "Edit" button, "Export/Import" button, and "Wrap Cell Content" checkbox. The "Result Grid" button is highlighted on the right side.

4 Delete a book from the database based on its title.\

Coding:

```
DELETE FROM BOOKS WHERE TITTLE="The Book of Wonders";  
SELECT *FROM BOOKS;
```

Output:

