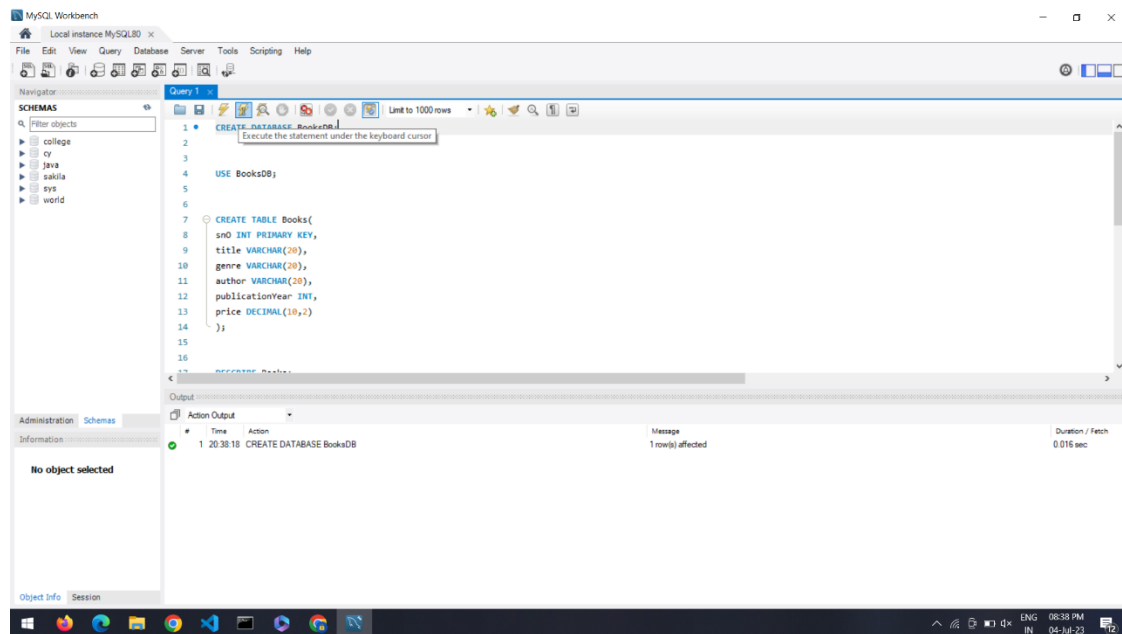


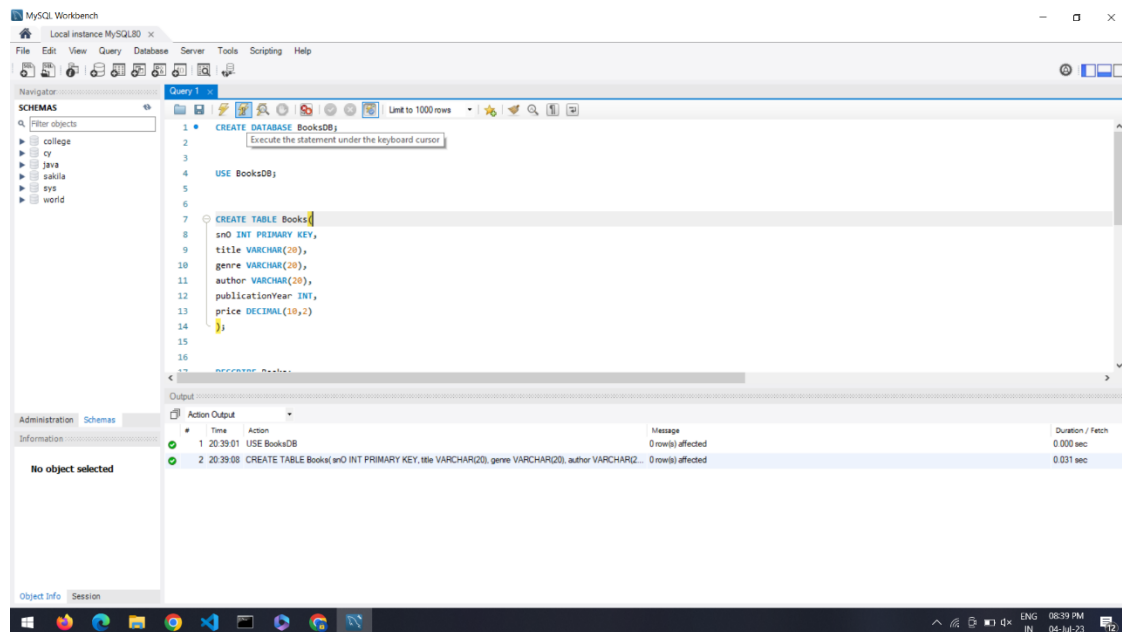
CREATE DATABASE BooksDB;



USE BooksDB;

CREATE TABLE Books(title VARCHAR(30) PRIMARY KEY,

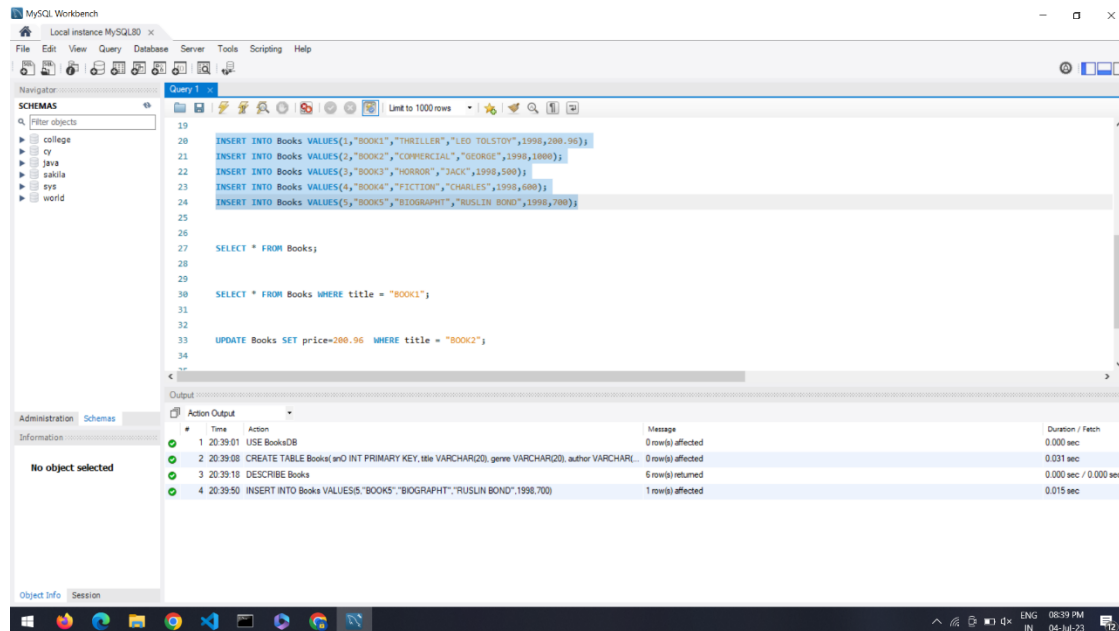
AUTHOR VARCHAR(20),GENRE VARCHAR(10),YEAR INT,PRICE INT);



```

INSERT INTO Books VALUES(1,"BOOK1","THRILLER","LEO TOLSTOY",1998,200.96);
INSERT INTO Books VALUES(2,"BOOK2","COMMERCIAL","GEORGE",1998,1000);
INSERT INTO Books VALUES(3,"BOOK3","HORROR","JACK",1998,500);
INSERT INTO Books VALUES(4,"BOOK4","FICTION","CHARLES",1998,600);

```

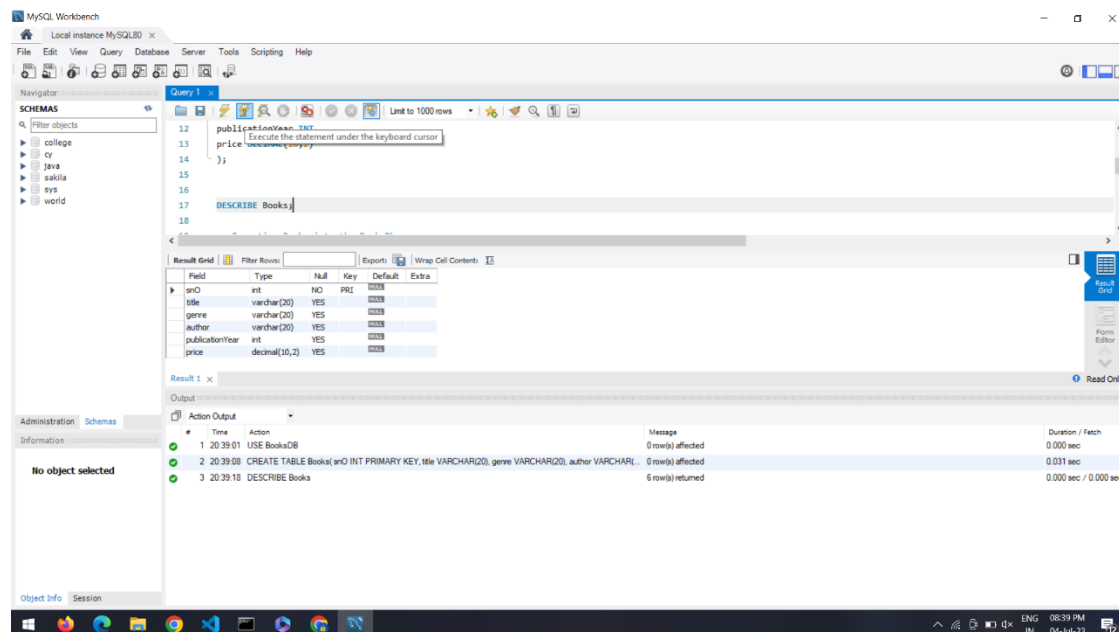


```

INSERT INTO Books VALUES(5,"BOOK5","BIOGRAPHY","RUSLIN BOND",1998,700);

```

- a. Retrieve all the books from the database.
SELECT * FROM Books;



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

SELECT * FROM Books WHERE TITLE="Wish I Could Tell You";

The screenshot shows the MySQL Workbench interface. The 'Query 1' editor contains the following SQL statements:

```
21 INSERT INTO Books VALUES(2,"BOOK2","COMMERCIAL","GEORGE",1998,1000);
22 INSERT INTO Books VALUES(3,"BOOK3","FICTION","JACK",1998,500);
23 INSERT INTO Books VALUES(4,"BOOK4","FICTION","CHARLES",1998,600);
24 INSERT INTO Books VALUES(5,"BOOK5","BIOGRAPHY","RUSLIN BOND",1998,700);
25
26
27 SELECT * FROM Books;
```

The 'Result Grid' shows the output of the SELECT query:

snO	title	genre	author	publication/year	price
5	BOOK5	BIOGRAPHY	RUSLIN BOND	1998	700.00

The 'Action Output' pane shows the execution of the queries:

#	Time	Action	Message	Duration / Fetch
1	20:39:01	USE BooksDB	0 row(s) affected	0.000 sec
2	20:39:08	CREATE TABLE Books (snO INT PRIMARY KEY, title VARCHAR(20), genre VARCHAR(20), author VARCHAR(20), publication/year INT, price INT)	0 row(s) affected	0.031 sec
3	20:39:10	DESCRIBE Books	6 row(s) returned	0.000 sec / 0.000 sec
4	20:39:50	INSERT INTO Books VALUES(5,"BOOK5","BIOGRAPHY","RUSLIN BOND",1998,700)	1 row(s) affected	0.015 sec
5	20:39:57	SELECT * FROM Books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

c. Update the price of a book.

UPDATE Books SET PRICE = 200 WHERE TITLE = "The Alchemist ";

The screenshot shows the MySQL Workbench interface. The 'Query 1' editor contains the following SQL statements:

```
21 INSERT INTO Books VALUES(2,"BOOK2","COMMERCIAL","GEORGE",1998,1000);
22 INSERT INTO Books VALUES(3,"BOOK3","FICTION","JACK",1998,500);
23 INSERT INTO Books VALUES(4,"BOOK4","FICTION","CHARLES",1998,600);
24 INSERT INTO Books VALUES(5,"BOOK5","BIOGRAPHY","RUSLIN BOND",1998,700);
25
26
27 SELECT * FROM Books;
```

The 'Result Grid' shows the output of the SELECT query:

snO	title	genre	author	publication/year	price
5	BOOK5	BIOGRAPHY	RUSLIN BOND	1998	700.00

The 'Action Output' pane shows the execution of the queries:

#	Time	Action	Message	Duration / Fetch
1	20:39:01	USE BooksDB	0 row(s) affected	0.000 sec
2	20:39:08	CREATE TABLE Books (snO INT PRIMARY KEY, title VARCHAR(20), genre VARCHAR(20), author VARCHAR(20), publication/year INT, price INT)	0 row(s) affected	0.031 sec
3	20:39:10	DESCRIBE Books	6 row(s) returned	0.000 sec / 0.000 sec
4	20:39:50	INSERT INTO Books VALUES(5,"BOOK5","BIOGRAPHY","RUSLIN BOND",1998,700)	1 row(s) affected	0.015 sec
5	20:39:57	SELECT * FROM Books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

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

DELETE FROM Books WHERE TITLE = "The Alchemist ";

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a list of databases including college, cy, Java, sakila, sys, and world. The main editor window contains a SQL script with the following queries:

```
24 INSERT INTO Books VALUES ('BOOK1', 'BIOGRAPHY', 'RUSLIN BOND', 1998, 700);
25
26
27 SELECT * FROM Books;
28
29
30 SELECT * FROM Books WHERE title = "BOOK1";
31
32
33 UPDATE Books SET price=200.96 WHERE title = "BOOK2";
34
35
36 DELETE FROM Books WHERE title = "BOOK1";
37
38
39 DROP DATABASE BooksDB;
```

Below the script, the 'Output' pane shows the 'Action Output' for the executed queries:

#	Time	Action	Message	Duration / Fetch
1	20:39:01	USE BooksDB	0 row(s) affected	0.000 sec
2	20:39:08	CREATE TABLE Books (id INT PRIMARY KEY, title VARCHAR(20), genre VARCHAR(20), author VARCHAR(20), price DECIMAL(10,2))	0 row(s) affected	0.031 sec
3	20:39:10	DESCRIBE Books	6 row(s) returned	0.000 sec / 0.000 sec
4	20:39:50	INSERT INTO Books VALUES ('BOOK1', 'BIOGRAPHY', 'RUSLIN BOND', 1998, 700)	1 row(s) affected	0.015 sec
5	20:39:57	SELECT * FROM Books LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
6	20:40:08	UPDATE Books SET price=200.96 WHERE title = "BOOK2"	0 row(s) affected Rows matched: 0 Changed: 0 Warnings: 0	0.000 sec
7	20:40:11	DELETE FROM Books WHERE title = "BOOK1"	0 row(s) affected	0.000 sec
8	20:40:15	DROP DATABASE BooksDB	1 row(s) affected	0.032 sec

The bottom status bar indicates the current language is English (ENG) and the date is 04-Jul-23.