

```
CREATE DATABASE BooksDB;

SHOW DATABASES;

USE BooksDB;

CREATE TABLE Books (
    Title VARCHAR(50),
    Author VARCHAR(50),
    Genre VARCHAR(50),
    Publication_year INT,
    Price INT
);

INSERT INTO Books VALUES("Wings of fire", "kalam", "Autobiography", 2010, 100);

INSERT INTO Books VALUES("Traveling King", "Kel", "History", 1998, 500);

INSERT INTO Books VALUES("Faceless Beauty", "joselu", "Horror", 1986, 456);

DELETE FROM Books WHERE Book = "BALANCE";

SELECT * FROM Books;

SELECT * FROM Books WHERE title = "Faceless Beauty";

UPDATE Books SET price = 700 WHERE title = "Faceless Beauty";

DELETE FROM Books WHERE title = "Faceless Beauty";
```

Write SQL queries to perform the following tasks:

- a. Retrieve all the books from the database.

The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following query:

```
7  Genre VARCHAR(50),
8  Publication_year INT,
9  Price INT
10 );
11 INSERT INTO Books VALUES("Wings of fire", "kalam", "Autobiography", 2010, 100);
12 INSERT INTO Books VALUES("Traveling King", "Kel", "History", 1998, 500);
13 INSERT INTO Books VALUES("Faceless Beauty", "joselu", "Horror", 1986, 456);
14 DELETE FROM Books WHERE Book = "BALANCE";
15 SELECT * FROM Books;
```

The Result Grid shows the following data:

Title	Author	Genre	Publication_year	Price
Wings of fire	kalam	Autobiography	2010	100
Traveling King	Kel	History	1998	500
Faceless Beauty	joselu	Horror	1986	456

The Output tab shows the execution log:

#	Time	Action	Message	Duration / Fetch
5	09:30:33	USE BooksDB	0 row(s) affected	0.000 sec
6	09:30:33	CREATE TABLE Books (Title VARCHAR(50), Author VARCHAR(50), Genre VARCHAR(50), Publica...	0 row(s) affected	0.000 sec
7	09:33:38	INSERT INTO Books VALUES("Wings of fire", "kalam", "Autobiography", 2010, 100)	1 row(s) affected	0.015 sec
8	09:33:38	INSERT INTO Books VALUES("Traveling King", "Kel", "History", 1998, 500)	1 row(s) affected	0.000 sec
9	09:33:38	INSERT INTO Books VALUES("Faceless Beauty", "joselu", "Horror", 1986, 456)	1 row(s) affected	0.000 sec
10	09:33:45	SELECT * FROM Books LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

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

The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following query:

```
8  Publication_year INT,
9  Price INT
10 );
11 INSERT INTO Books VALUES("Wings of fire", "kalam", "Autobiography", 2010, 100);
12 INSERT INTO Books VALUES("Traveling King", "Kel", "History", 1998, 500);
13 INSERT INTO Books VALUES("Faceless Beauty", "joselu", "Horror", 1986, 456);
14 DELETE FROM Books WHERE Book = "BALANCE";
15 SELECT * FROM Books;
16 SELECT * FROM Books WHERE title = "Faceless Beauty";
```

The Result Grid shows the following data:

Title	Author	Genre	Publication_year	Price
Faceless Beauty	joselu	Horror	1986	456

The Output tab shows the execution log:

#	Time	Action	Message	Duration / Fetch
6	09:30:33	CREATE TABLE Books (Title VARCHAR(50), Author VARCHAR(50), Genre VARCHAR(50), Publica...	0 row(s) affected	0.000 sec
7	09:33:38	INSERT INTO Books VALUES("Wings of fire", "kalam", "Autobiography", 2010, 100)	1 row(s) affected	0.015 sec
8	09:33:38	INSERT INTO Books VALUES("Traveling King", "Kel", "History", 1998, 500)	1 row(s) affected	0.000 sec
9	09:33:38	INSERT INTO Books VALUES("Faceless Beauty", "joselu", "Horror", 1986, 456)	1 row(s) affected	0.000 sec
10	09:33:45	SELECT * FROM Books LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
11	09:34:34	SELECT * FROM Books WHERE title = "Faceless Beauty" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

c. Update the price of a book.

The screenshot shows the MySQL Workbench interface with a SQL script in the editor. The script contains the following queries:

```
7 Genre VARCHAR(50),
8 Publication_year INT,
9 Price INT
10 );
11 INSERT INTO Books VALUES("Wings of fire", "kalam", "Autobiography", 2010, 100);
12 INSERT INTO Books VALUES("Traveling King", "Kel", "History", 1998, 500);
13 INSERT INTO Books VALUES("Faceless Beauty", "joselu", "Horror", 1986, 456);
14 DELETE FROM Books WHERE Book = "BALANCE";
15 SELECT * FROM Books;
```

The Results grid shows the output of the queries:

Title	Author	Genre	Publication_year	Price
Wings of fire	kalam	Autobiography	2010	100
Traveling King	Kel	History	1998	500
Faceless Beauty	joselu	Horror	1986	700

The Output pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
9	09:33:38	INSERT INTO Books VALUES("Faceless Beauty", "joselu", "Horror", 1986, 456)	1 row(s) affected	0.000 sec
10	09:33:45	SELECT * FROM Books LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
11	09:34:34	SELECT * FROM Books WHERE title = "Faceless Beauty" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
12	09:35:15	UPDATE Books SET price = 700 WHERE title = "Faceless Beauty"	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
13	09:35:17	UPDATE Books SET price = 700 WHERE title = "Faceless Beauty"	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
14	09:35:27	SELECT * FROM Books LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

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

The screenshot shows the MySQL Workbench interface with a SQL script in the editor. The script contains the following queries:

```
7 Execute the selected portion of the script or everything, if there is no selection
8 "Publication_year" INT,
9 Price INT
10 );
11 INSERT INTO Books VALUES("Wings of fire", "kalam", "Autobiography", 2010, 100);
12 INSERT INTO Books VALUES("Traveling King", "Kel", "History", 1998, 500);
13 INSERT INTO Books VALUES("Faceless Beauty", "joselu", "Horror", 1986, 456);
14 DELETE FROM Books WHERE Book = "BALANCE";
15 SELECT * FROM Books;
```

The Results grid shows the output of the queries:

Title	Author	Genre	Publication_year	Price
Wings of fire	kalam	Autobiography	2010	100
Traveling King	Kel	History	1998	500

The Output pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
11	09:34:34	SELECT * FROM Books WHERE title = "Faceless Beauty" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
12	09:35:15	UPDATE Books SET price = 700 WHERE title = "Faceless Beauty"	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.016 sec
13	09:35:17	UPDATE Books SET price = 700 WHERE title = "Faceless Beauty"	0 row(s) affected Rows matched: 1 Changed: 0 Warnings: 0	0.000 sec
14	09:35:27	SELECT * FROM Books LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
15	09:36:21	DELETE FROM Books WHERE title = "Faceless Beauty"	1 row(s) affected	0.016 sec
16	09:36:27	SELECT * FROM Books LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec