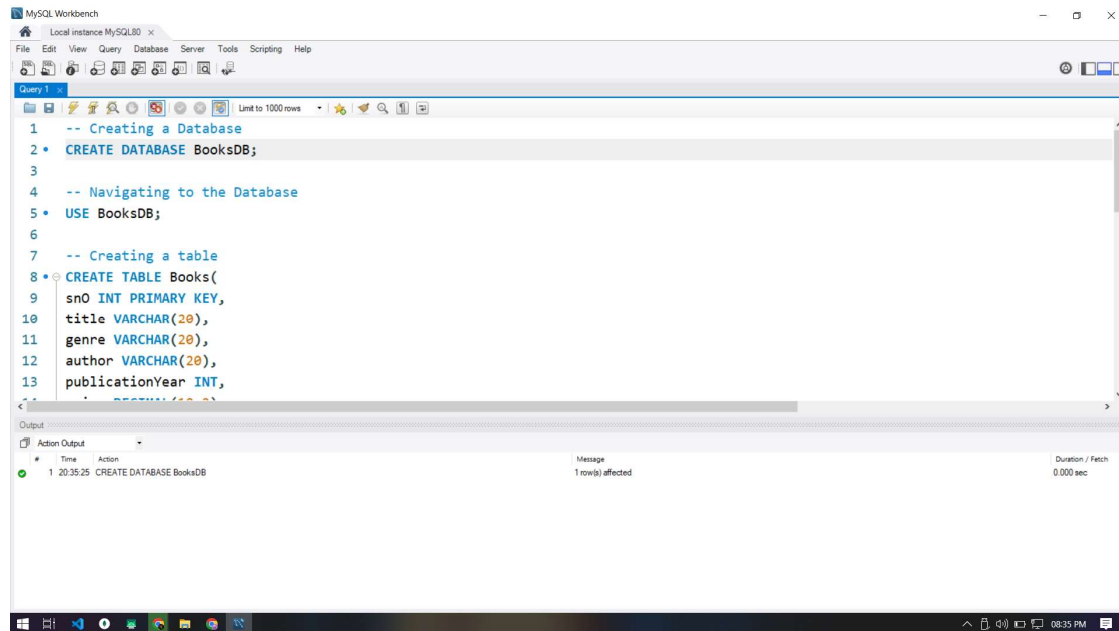


CREATE DATABASE BooksDB;

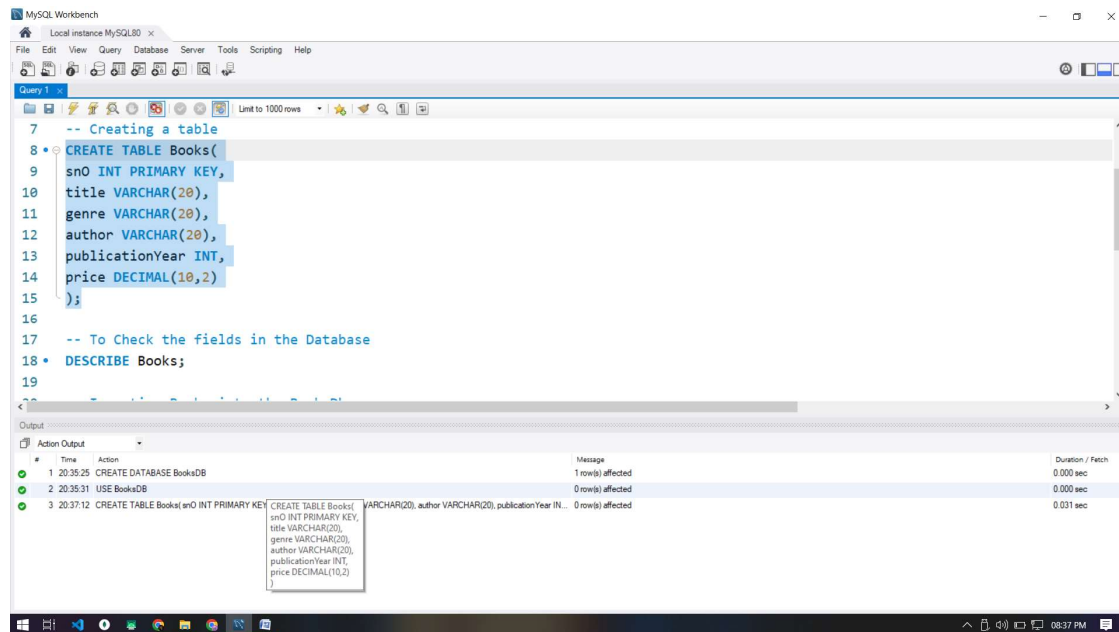


-- Navigating to the Database

USE BooksDB;

-- Creating a table

CREATE TABLE Books(
snO INT PRIMARY KEY,
title VARCHAR(20),
genre VARCHAR(20),
author VARCHAR(20),
publicationYear INT,
price DECIMAL(10,2));



```

INSERT INTO Books VALUES(1,"BOOK1","COMEDY","KISIMOTO",1998,200.96);
INSERT INTO Books VALUES(2,"BOOK2","HORROR","BEN",1998,1000);
INSERT INTO Books VALUES(3,"BOOK3","MYSTRY","JHONWICK",1998,500);
INSERT INTO Books VALUES(4,"BOOK4","SCI-FIC","WINSTON",1998,600);

```

```

INSERT INTO Books VALUES(5,"BOOK5","ACTION","MARKBUCKET",1998,700);

```

a. Retrieve all the books from the database.

SELECT * FROM Books;

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying the following SQL code:

```

16
17 -- To Check the fields in the Database
18 • DESCRIBE Books;
19
20 -- Inserting Books into the BooksDb

```

The 'Result Grid' shows the schema of the 'Books' table:

Field	Type	Null	Key	Default	Extra
snO	int	NO	PRI		
title	varchar(20)	YES			
genre	varchar(20)	YES			
author	varchar(20)	YES			
publicationYear	int	YES			
price	decimal(10,2)	YES			

The 'Output' tab shows the execution log:

#	Time	Action	Message	Duration / Fetch
2	20:35:31	USE BooksDB	0 row(s) affected	0.000 sec
3	20:37:12	CREATE TABLE Books(snO INT PRIMARY KEY, title VARCHAR(20), genre VARCHAR(20), author VARCHAR(20), publicationYear...	0 row(s) affected	0.031 sec
4	20:37:43	DESCRIBE Books	6 row(s) returned	0.000 sec / 0.000 sec
5	20:37:43	INSERT INTO Books VALUES(1,"BOOK1","COMEDY","KISIMOTO",1998,200.96)	1 row(s) affected	0.000 sec
6	20:37:43	INSERT INTO Books VALUES(2,"BOOK2","HORROR","BEN",1998,1000)	1 row(s) affected	0.000 sec
7	20:37:43	INSERT INTO Books VALUES(3,"BOOK3","MYSTRY","JHONWICK",1998,500)	1 row(s) affected	0.000 sec
8	20:37:43	INSERT INTO Books VALUES(4,"BOOK4","SCI-FIC","WINSTON",1998,600)	1 row(s) affected	0.000 sec
9	20:37:43	INSERT INTO Books VALUES(5,"BOOK5","ACTION","MARKBUCKET",1998,700)	1 row(s) affected	0.000 sec

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying the following SQL code:

```

28 • SELECT * FROM Books;
29
30 -- Select Particular Book Detail from Books using title
31 • SELECT * FROM Books WHERE title = "BOOK1";
32

```

The 'Result Grid' shows the data for the 'Books' table:

snO	title	genre	author	publicationYear	price
1	BOOK1	COMEDY	KISIMOTO	1998	200.96
2	BOOK2	HORROR	BEN	1998	1000.00
3	BOOK3	MYSTRY	JHONWICK	1998	500.00
4	BOOK4	SCI-FIC	WINSTON	1998	600.00
5	BOOK5	ACTION	MARKBUCKET	1998	700.00

The 'Output' tab shows the execution log:

#	Time	Action	Message	Duration / Fetch
3	20:37:12	CREATE TABLE Books(snO INT PRIMARY KEY, title VARCHAR(20), genre VARCHAR(20), author VARCHAR(20), publicationYear...	0 row(s) affected	0.031 sec
4	20:37:43	DESCRIBE Books	6 row(s) returned	0.000 sec / 0.000 sec
5	20:37:43	INSERT INTO Books VALUES(1,"BOOK1","COMEDY","KISIMOTO",1998,200.96)	1 row(s) affected	0.000 sec
6	20:37:43	INSERT INTO Books VALUES(2,"BOOK2","HORROR","BEN",1998,1000)	1 row(s) affected	0.000 sec
7	20:37:43	INSERT INTO Books VALUES(3,"BOOK3","MYSTRY","JHONWICK",1998,500)	1 row(s) affected	0.000 sec
8	20:37:43	INSERT INTO Books VALUES(4,"BOOK4","SCI-FIC","WINSTON",1998,600)	1 row(s) affected	0.000 sec
9	20:37:43	INSERT INTO Books VALUES(5,"BOOK5","ACTION","MARKBUCKET",1998,700)	1 row(s) affected	0.000 sec
10	20:38:08	SELECT * FROM Books LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

b. -- Select Particular Book Detail from Books using title

SELECT * FROM Books WHERE title = "BOOK1";

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

```
25 * INSERT INTO Books VALUES(5,"BOOK5","ACTION","MARKBUCKET",1998,700);
26
27 -- Select All Book Details from Books
28 * SELECT * FROM Books;
29
30 -- Select Particular Book Detail from Books using title
31 * SELECT * FROM Books WHERE title = "BOOK1";
```

The Results grid shows the following data:

id	title	genre	author	publicationYear	price
1	BOOK1	COMEDY	KISIMOTO	1998	200.96

The Output tab shows the following actions:

#	Time	Action	Message	Duration / Fetch
4	20:37:43	DESCRIBE Books	6 row(s) returned	0.000 sec / 0.000 sec
5	20:37:43	INSERT INTO Books VALUES(1,"BOOK1","COMEDY","KISIMOTO",1998,200.96)	1 row(s) affected	0.000 sec
6	20:37:43	INSERT INTO Books VALUES(2,"BOOK2","HORROR","BEN",1998,1000)	1 row(s) affected	0.000 sec
7	20:37:43	INSERT INTO Books VALUES(3,"BOOK3","MYSTERY","JHONWICK",1998,500)	1 row(s) affected	0.000 sec
8	20:37:43	INSERT INTO Books VALUES(4,"BOOK4","SCIFI","WINSTON",1998,600)	1 row(s) affected	0.000 sec
9	20:37:43	INSERT INTO Books VALUES(5,"BOOK5","ACTION","MARKBUCKET",1998,700)	1 row(s) affected	0.000 sec
10	20:38:08	SELECT * FROM Books LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
11	20:40:06	SELECT * FROM Books WHERE title = "BOOK1" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

c. -- Updating the Book Price

UPDATE Books SET price=200.96 WHERE title = "BOOK2";

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

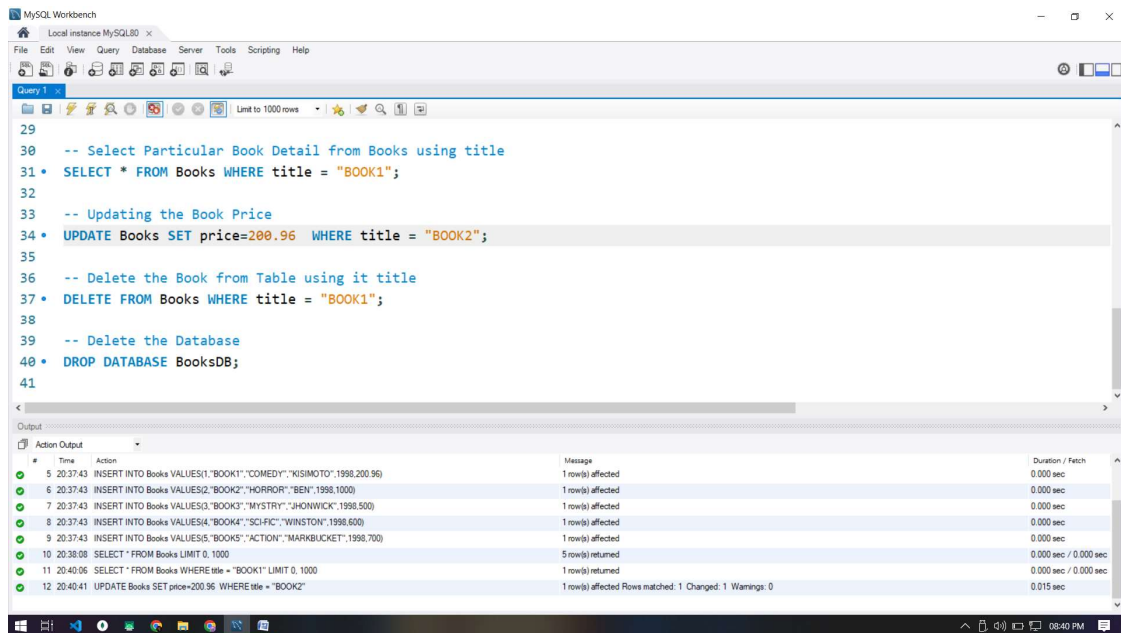
```
29
30 -- Select Particular Book Detail from Books using title
31 * SELECT * FROM Books WHERE title = "BOOK1";
32
33 -- Updating the Book Price
34 * UPDATE Books SET price=200.96 WHERE title = "BOOK2";
35
36 -- Delete the Book from Table using it title
37 * DELETE FROM Books WHERE title = "BOOK1";
38
39 -- Delete the Database
40 * DROP DATABASE BooksDB;
41
```

The Output tab shows the following actions:

#	Time	Action	Message	Duration / Fetch
5	20:37:43	INSERT INTO Books VALUES(1,"BOOK1","COMEDY","KISIMOTO",1998,200.96)	1 row(s) affected	0.000 sec
6	20:37:43	INSERT INTO Books VALUES(2,"BOOK2","HORROR","BEN",1998,1000)	1 row(s) affected	0.000 sec
7	20:37:43	INSERT INTO Books VALUES(3,"BOOK3","MYSTERY","JHONWICK",1998,500)	1 row(s) affected	0.000 sec
8	20:37:43	INSERT INTO Books VALUES(4,"BOOK4","SCIFI","WINSTON",1998,600)	1 row(s) affected	0.000 sec
9	20:37:43	INSERT INTO Books VALUES(5,"BOOK5","ACTION","MARKBUCKET",1998,700)	1 row(s) affected	0.000 sec
10	20:38:08	SELECT * FROM Books LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
11	20:40:06	SELECT * FROM Books WHERE title = "BOOK1" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
12	20:40:41	UPDATE Books SET price=200.96 WHERE title = "BOOK2"	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.015 sec

-- Delete the Book from Table using it title

d. DELETE FROM Books WHERE title = "BOOK1";



The screenshot displays the MySQL Workbench interface. The top pane shows a SQL script with the following queries:

```
29
30 -- Select Particular Book Detail from Books using title
31 * SELECT * FROM Books WHERE title = "BOOK1";
32
33 -- Updating the Book Price
34 * UPDATE Books SET price=200.96 WHERE title = "BOOK2";
35
36 -- Delete the Book from Table using it title
37 * DELETE FROM Books WHERE title = "BOOK1";
38
39 -- Delete the Database
40 * DROP DATABASE BooksDB;
41
```

The bottom pane shows the 'Action Output' tab with a table of execution results:

#	Time	Action	Message	Duration / Fetch
5	20:37:43	INSERT INTO Books VALUES(1,"BOOK1","COMEDY","KISIMOTO",1998,200.96)	1 row(s) affected	0.000 sec
6	20:37:43	INSERT INTO Books VALUES(2,"BOOK2","HORROR","BEN",1998,1000)	1 row(s) affected	0.000 sec
7	20:37:43	INSERT INTO Books VALUES(3,"BOOK3","MYSTERY","JHONWICK",1998,500)	1 row(s) affected	0.000 sec
8	20:37:43	INSERT INTO Books VALUES(4,"BOOK4","SCIFI","WINSTON",1998,600)	1 row(s) affected	0.000 sec
9	20:37:43	INSERT INTO Books VALUES(5,"BOOK5","ACTION","MARKBUCKET",1998,700)	1 row(s) affected	0.000 sec
10	20:38:08	SELECT * FROM Books LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
11	20:40:06	SELECT * FROM Books WHERE title = "BOOK1" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
12	20:40:41	UPDATE Books SET price=200.96 WHERE title = "BOOK2"	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.015 sec