

# SQL ASSIGNMENT-1

**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.**

**a. Retrieve all the books from the database.**

## **PROGRAM**

**-- create database**

```
CREATE DATABASE BOOKsDB;
```

```
USE BOOKsDB;
```

**-- create table**

```
CREATE TABLE BOOKS(
```

```
BOOK_TITLE VARCHAR(100),
```

```
AUTHOR VARCHAR(30),
```

```
GENRE VARCHAR(20),
```

```
PUBLICATION_YEAR INT,
```

```
PRICE INT
```

```
);
```

**-- insert some values**

```
INSERT INTO BOOKS VALUES ("ALICE'S ADVENTURES IN  
WONDERLAND","LEWIS CARROL","FANTASY FICTION",1865,12000);
```

```
INSERT INTO BOOKS VALUES ("PONNIYIN SELVAN","KALKI  
KRISHNAMURTHY","HISTORICAL FICTION",1954,500);
```

```
INSERT INTO BOOKS VALUES ("Birbal the genius","DEV  
NADKARNI","COMIC",1980,150);
```

```
INSERT INTO BOOKS VALUES ("WINGS OF FIRE","A.P.J.ABDUL  
KALAM","AUTOBIOGRAPHY",1999,400);
```

```
INSERT INTO BOOKS VALUES ("IT ENDS WITH US","COLLEEN  
HOOVER","ROMANTIC NOVEL",2016,350);
```

```
INSERT INTO BOOKS VALUES ("CITY OF SCREAMS","NEIL D  
SILVA","HORROR",2019,10000);
```

```
INSERT INTO BOOKS VALUES ("THE LIVING MOUNTAIN","AMITAV  
GHOSH","FAIRY TALE",2022,500);
```

-- fetch values

```
DESCRIBE BOOKS;
```

```
SELECT * FROM BOOKS;
```

## OUTPUT

BOOK_TITLE	AUTHOR	GENRE	PUBLICATION_YEAR	PRICE
ALICE'S ADVENTURES IN WONDERLAND	LEWIS CARROL	FANTASY FICTION	1865	12000
PONNIYIN SELVAN	KALKI KRISHNAMURTHY	HISTORICAL FICTION	1954	500
Birbal the genius	DEV NADKARNI	COMIC	1980	150
WINGS OF FIRE	A.P.J.ABDUL KALAM	AUTOBIOGRAPHY	1999	400
IT ENDS WITH US	COLLEEN HOOVER	ROMANTIC NOVEL	2016	350
CITY OF SCREAMS	NEIL D SILVA	HORROR	2019	10000
THE LIVING MOUNTAIN	AMITAV GHOSH	FAIRY TALE	2022	500

[Execution complete with exit code 0]

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

## PROGRAM

```
SELECT BOOK_TITLE FROM BOOKS;
```

## OUTPUT

BOOK_TITLE
ALICE'S ADVENTURES IN WONDERLAND
PONNIYIN SELVAN
Birbal the genius
WINGS OF FIRE
IT ENDS WITH US
CITY OF SCREAMS
THE LIVING MOUNTAIN

[Execution complete with exit code 0]

### c. Update the price of a book.

#### PROGRAM

```
UPDATE BOOKS SET PRICE=1000 WHERE PRICE=400;
```

```
SELECT * FROM BOOKS;
```

#### OUTPUT

```
BOOK_TITLE      AUTHOR  GENRE  PUBLICATION_YEAR  PRICE
ALICE'S ADVENTURES IN WONDERLAND      LEWIS CARROL  FANTASY FICTION 1865    12000
PONNIYIN SELVAN KALKI KRISHNAMURTHY    HISTORICAL FICTION    1954    500
Birbal the genius      DEV NADKARNI  COMIC    1980    150
WINGS OF FIRE    A.P.J.ABDUL KALAM    AUTOBIOGRAPHY  1999    1000
IT ENDS WITH US COLLEEN HOOVER  ROMANTIC NOVEL  2016    350
CITY OF SCREAMS NEIL D SILVA    HORROR    2019    10000
THE LIVING MOUNTAIN    AMITAV GHOSH  FAIRY TALE    2022    500

[Execution complete with exit code 0]
```

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

#### PROGRAM

```
DELETE FROM BOOKS WHERE BOOK_TITLE="CITY OF SCREAMS";
```

```
SELECT * FROM BOOKS;
```

#### OUTPUT

```
BOOK_TITLE      AUTHOR  GENRE  PUBLICATION_YEAR  PRICE
ALICE'S ADVENTURES IN WONDERLAND      LEWIS CARROL  FANTASY FICTION 1865    12000
PONNIYIN SELVAN KALKI KRISHNAMURTHY    HISTORICAL FICTION    1954    500
Birbal the genius      DEV NADKARNI  COMIC    1980    150
WINGS OF FIRE    A.P.J.ABDUL KALAM    AUTOBIOGRAPHY  1999    1000
IT ENDS WITH US COLLEEN HOOVER  ROMANTIC NOVEL  2016    350
THE LIVING MOUNTAIN    AMITAV GHOSH  FAIRY TALE    2022    500

[Execution complete with exit code 0]
```