**Title:** Task 3 – Writing Basic SELECT Queries

**Objective:** Extract data from one or more tables using SELECT, WHERE, ORDER BY, and LIMIT clauses in SQLite.

**SQL Script:**

**DROP TABLE IF EXISTS Books;**

**DROP TABLE IF EXISTS Authors;**

**CREATE TABLE Authors (**

**author\_id INTEGER PRIMARY KEY,**

**name TEXT NOT NULL,**

**country TEXT**

**);**

**CREATE TABLE Books (**

**book\_id INTEGER PRIMARY KEY,**

**title TEXT NOT NULL,**

**genre TEXT,**

**price REAL,**

**author\_id INTEGER,**

**FOREIGN KEY (author\_id) REFERENCES Authors(author\_id)**

**);**

**INSERT INTO Authors (name, country) VALUES**

**('J.K. Rowling', 'UK'),**

**('George Orwell', 'UK'),**

**('Mark Twain', 'USA');**

**INSERT INTO Books (title, genre, price, author\_id) VALUES**

**('Harry Potter', 'Fantasy', 19.99, 1),**

**('Animal Farm', 'Political Satire', 9.99, 2),**

**('1984', 'Dystopian', 14.99, 2),**

**('Adventures of Tom Sawyer', 'Fiction', 12.50, 3);**

**SELECT \* FROM Books;**

**SELECT title, price FROM Books;**

**SELECT \* FROM Books WHERE price < 15;**

**SELECT \* FROM Books WHERE genre = 'Fantasy' AND price < 20;**

**SELECT \* FROM Books WHERE price < 10 OR genre = 'Fiction';**

**SELECT \* FROM Books WHERE title LIKE '%19%';**

**SELECT \* FROM Books WHERE price BETWEEN 10 AND 15;**

**SELECT \* FROM Books ORDER BY price ASC;**

**SELECT \* FROM Books ORDER BY price DESC;**

**SELECT \* FROM Books LIMIT 2;**

**Outcome:**  
By running these queries in SQLite Online, I learned how to:

* Retrieve all data or only specific columns
* Filter data with WHERE, AND, OR, LIKE, and BETWEEN
* Sort results with ORDER BY
* Restrict the number of returned rows with LIMIT