SQL Practice Questions **(CREATE, INSERT, SELECT, UPDATE, DELETE)**

Use the `bookstore` database with `books` and `authors` tables.

**Section 1: Database & Table Setup**

1. Create a database named **`bookstore`**.

2. Create an **authors** table with:

**- author\_id ,**

**- name,**

**- country,**

3. Create a **`books`** table with:

**- book\_id**

**- title**

**- price**

**- author\_id**

**Section 2: Data Insertion (INSERT)**

4. Insert 3 authors into the **`authors`** table:

- J.K. Rowling (UK)

- George Orwell (UK)

- Haruki Murakami (Japan)

5. Insert 3 books into the **`books`** table:

- Harry Potter ($15.99, author\_id=1)

- 1984 ($12.50, author\_id=2)

- Norwegian Wood ($14.75, author\_id=3)

**Section 3: Data Querying (SELECT)**

6. Select all books with titles and prices.

7. Find books cheaper than $15.

8. List books with their authors (use `JOIN`).

**Section 4: Data Modification (UPDATE)**

9. Update the price of 1984 to $13.25.

10. Change George Orwell’s country to "United Kingdom".

**Section 5: Data Deletion (DELETE)**

11. Delete Norwegian Wood from the **`books`** table.

12. Attempt to delete Haruki Murakami from `authors`. Will this work? Why or why not?

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**Section 1: Setup**

1.

CREATE DATABASE bookstore;

2.

CREATE TABLE authors (

author\_id INT PRIMARY KEY AUTO\_INCREMENT,

name VARCHAR(50) NOT NULL,

country VARCHAR(30)

);

3.

CREATE TABLE books (

book\_id INT PRIMARY KEY AUTO\_INCREMENT,

title VARCHAR(100) NOT NULL,

price DECIMAL(10,2),

author\_id INT,

FOREIGN KEY (author\_id) REFERENCES authors(author\_id)

);

**Section 2: INSERT**

4. sql

INSERT INTO authors (name, country)

VALUES

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

('George Orwell', 'UK'),

('Haruki Murakami', 'Japan');

5.sql

INSERT INTO books (title, price, author\_id)

VALUES

('Harry Potter', 15.99, 1),

('1984', 12.50, 2),

('Norwegian Wood', 14.75, 3);

Section 3: SELECT

6.

SELECT title, price FROM books;

7.

SELECT title, price FROM books WHERE price < 15;

8. SELECT books.title, authors.name

FROM books

JOIN authors ON books.author\_id = authors.author\_id;

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Section 4: UPDATE

9.

UPDATE books SET price = 13.25 WHERE title = '1984';

10. UPDATE authors SET country = 'United Kingdom'

WHERE name = 'George Orwell';