**Case Study: Online Bookstore**

**Scenario:**

You are tasked with designing a database schema and implementing SQL queries and PL/SQL procedures for an online bookstore. The database should store information about books, authors, customers, and orders.

**Database Schema:**

*CREATE TABLE authors (*

*author\_id NUMBER PRIMARY KEY,*

*author\_name VARCHAR2(100)*

*);*

*CREATE TABLE books (*

*book\_id NUMBER PRIMARY KEY,*

*title VARCHAR2(255),*

*author\_id NUMBER,*

*price NUMBER,*

*stock\_quantity NUMBER,*

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

*);*

*CREATE TABLE customers (*

*customer\_id NUMBER PRIMARY KEY,*

*customer\_name VARCHAR2(100),*

*email VARCHAR2(255)*

*);*

*CREATE TABLE orders (*

*order\_id NUMBER PRIMARY KEY,*

*customer\_id NUMBER,*

*order\_date DATE,*

*total\_amount NUMBER,*

*FOREIGN KEY (customer\_id) REFERENCES customers(customer\_id)*

*);*

*CREATE TABLE order\_items (*

*order\_item\_id NUMBER PRIMARY KEY,*

*order\_id NUMBER,*

*book\_id NUMBER,*

*quantity NUMBER,*

*FOREIGN KEY (order\_id) REFERENCES orders(order\_id),*

*FOREIGN KEY (book\_id) REFERENCES books(book\_id)*

*);*

**Requirements:**

1. Create tables for authors, books, customers, orders, and order\_items.
2. Populate the tables with sample data.
3. Write SQL queries to:
   * Retrieve the list of all books.
   * Retrieve the total number of books in stock.
   * Retrieve the list of customers who have placed orders.
   * Calculate the total revenue generated from orders.
4. Write a PL/SQL procedure to:
   * Update the stock\_quantity of a book after an order is placed.
   * Calculate the total amount for an order and update the total\_amount in the orders table.

**Submission:**

Submit the SQL scripts for creating the tables, inserting sample data, and the SQL queries and PL/SQL procedure implementations.

Remember to upload your solutions to a GitHub repository and share the repository URL with the coaches.