**Database Lab Project**

Design a database for bookstore Your company named 'MyBooks'. The database contains information for customers, orders, books, authors, and stores.

Your design **MUST** also allow the following:

* Allow the customer to purchase the same book's title many times (in different orders).
* The customer can purchase as much quantity as he wants for the same title in the same order.
* The same book's title can be sold by any stores.
* The store that the customer has purchased a book from must be known.

Note: imagine that the company has an infinite number of each book.

Note: each book has only a single author.

The database should contain information of:

* Customers' names, address (street name and building number (e.g. 123 King Abdul-Aziz St), city), phone number.
* Books' title, type (story, Islamic, educational, or scientific), publishing year, price.
* Store number (e.g. 1, 2, 3…), location (city).
* Author's name, address (street name and building number, city),

After designing and implementing the database, add a reasonable data (in content and amount) and can answer the following queries.

1. List the names of the customers who have bought the book "JAVA GUI".
2. List the customers' IDs, names, and phone numbers who have bought books of types scientific AND educational books (possibly in different orders).
3. How many customer lives at Quba St. in Madinah.
4. Get the stores numbers and locations that haven't sold any book of type "story".
5. List the names of customers who have bought "Math for elementary students" AND "Explanation of Sahih Muslim" in a SINGLE order.
6. For each customer, get the customer ID, number of orders, and the total amount of what each customer has paid (the total of all orders for each customer). Only show those who has paid more than 4000$ in total. (Arrange the results based on the total amount in descending order)

**Extra Credit:**

1. Get all information of customers (ID, Name, address) who bought the most expensive book.
2. List the names of customers who have bought the book “SQL Injection Tutorial”, and have NOT bought another book.
3. Get the maximum amount that have been paid by a customer.