Tutorial-3

You have been hired by an online bookstore to design and manage their MongoDB database. The system needs to track books, authors, customers, and orders.

- **Books**: Each book has book_id, title, author_id, price, stock.
- **Authors**: Each author has author_id, name, country.
- **Customers**: Each customer has customer_id, name, email, membership (Regular or Premium).
- **Orders**: Each order has order_id, customer_id, date, and contains multiple books with quantities.

Database & Collection Creation

- Create a new database BookStoreDB.
- Create collections: books, authors, customers, orders.

Insert Data

- Insert at least **3 books**, **2 authors**, and **2 customers**.
- Insert an order that includes multiple books with quantities.

Queries (Find Operations)

- Fetch all books in the store.
- Find books with price greater than `500`.
- Retrieve all orders placed by a specific customer.
- Display only `title` and `price` for all books.

Update Operations

- Increase the price of a specific book by `10%`.
- Decrease stock when an order is placed.

Delete Operations

- Delete a book that is out of stock.
- Remove a customer who has not placed any order.