**Exercise 1: Online Bookstore - Setting Up RESTful Services**

**Business Scenario:**

You are tasked with developing a RESTful service for an online bookstore. The service will manage books, authors, and customers.

**Instructions:**

1. **Setup Spring Boot Project:**
   * Initialize a new Spring Boot project named **BookstoreAPI**.
   * Add dependencies: **Spring Web, Spring Boot DevTools, Lombok**.
2. **Project Structure:**

Familiarize yourself with the generated project structure.

* + src/main/java: Contains the Java source code.
  + com.bookstore.api: The base package where the main Spring Boot application class resides.
  + src/main/resources: Contains static resources, templates, and configuration files.
  + application.properties or application.yml: Configuration files for your application.
  + pom.xml: Maven configuration file where dependencies are managed.

1. **What's New in Spring Boot 3:**
   * Explore and document the new features introduced in Spring Boot 3.
     1. Java 17+ Baseline: Spring Boot 3 requires Java 17 or later, taking advantage of the latest language features and enhancements.
     2. Native Support with GraalVM: Spring Boot 3 has improved support for building native executables with GraalVM, leading to faster startup times and lower memory usage.
     3. Improved Observability: Enhanced support for metrics, tracing, and health checks, including integration with Micrometer, Prometheus, and OpenTelemetry.
     4. Security Enhancements: Improvements in Spring Security integration, including support for multi-factor authentication (MFA) and improved OAuth2/OIDC support.
     5. Better Testing Support: New testing annotations and utilities to simplify writing unit and integration tests.
     6. Enhanced Configuration Management: Improved support for externalized configuration, including a new ConfigData API.
     7. Spring GraphQL: Native support for building GraphQL applications, integrated directly with Spring.



