**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.
3. **What's New in Spring Boot 3:**
   * Explore and document the new features introduced in Spring Boot 3.

ANS:

Spring Boot 3 has introduced several new features and improvements. Like:

1. Spring Boot 3 requires Java 17 or higher, leveraging the latest Java features and improvements.
2. Enhanced support for building images using GraalVM, allowing Spring Boot applications to run faster and use less memory.
3. Introduction of Micrometer as the default metrics facade and observation API, providing better observability and monitoring capabilities.
4. Spring Boot 3 is based on Spring Framework 6, which includes significant updates like Jakarta EE 9 (javax to jakarta package renaming).
5. Updates to Spring Security with more flexible and modern configurations, simplifying the creation of secure applications.
6. Improved support for declarative HTTP clients, making it easier to interact with external REST services.
7. Updates in testing libraries and tools, providing more powerful testing utilities.
8. New versions of dependencies like Hibernate, Jackson, and others, offering improved performance and new features.