EXERCISE 1

EMPLOYEE MANAGEMENT

**Using Spring Initializr:**

1. Visit Spring Initializr
2. Set the following project metadata:
   * Project: Maven Project
   * Language: Java
   * Spring Boot: (latest stable version)
   * Group: com.example
   * Artifact: EmployeeManagementSystem
   * Name: EmployeeManagementSystem
   * Package Name: com.example.EmployeeManagementSystem
   * Packaging: Jar
   * Java: (select the version compatible with your setup)
3. **Add dependencies:**
   * **Spring Data JPA**: For database interactions.
   * **H2 Database**: For in-memory database usage.
   * **Spring Web**: For building RESTful web services.
   * **Lombok**: To reduce boilerplate code by using annotations like @Data, @Getter, @Setter, etc.

CONFIGURATION

# H2 Database Configuration

spring.datasource.url=jdbc:h2:mem:testdb

spring.datasource.driverClassName=org.h2.Driver

spring.datasource.username=sa

spring.datasource.password=password

spring.jpa.database-platform=org.hibernate.dialect.H2Dialect

# H2 Console Configuration (optional, for easier database access)

spring.h2.console.enabled=true

spring.h2.console.path=/h2-console