**WEEK 3**

**EXERCISE 1**

**Employee Management System - Overview and Setup:**

**1. Creating a Spring Boot Project:**

1. Project Name: EmployeeManagementSystem
2. Dependencies:
   * Spring Data JPA
   * H2 Database
   * Spring Web
   * Lombok

**Instructions*:***

1. Open IDE (e.g., Eclipse).
2. Create a new Spring Boot project.
3. Name the project EmployeeManagementSystem.
4. Add the following dependencies to the project:

* Spring Data JPA: For handling database operations.
* H2 Database: For an in-memory database.
* Spring Web: For building web applications.
* Lombok: For reducing boilerplate code (e.g., getters, setters).

**2. Configuring Application Properties:**

**Configuration File:** application.properties

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