**1. spring-data-jpa-handson**

**Spring Data JPA - Quick Example**

**pom.xml**

<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0

http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>spring-data-jpa-example</artifactId>

<version>0.0.1-SNAPSHOT</version>

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>2.7.18</version>

<relativePath/>

</parent>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-data-jpa</artifactId>

</dependency>

<dependency>

<groupId>com.h2database</groupId>

<artifactId>h2</artifactId>

<scope>runtime</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-maven-plugin</artifactId>

</plugin>

</plugins>

</build>

</project>

**Book.java**

package com.example.demo;

import javax.persistence.\*;

@Entity

public class Book {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

private String title;

public Book() {}

public Book(String title) {

this.title = title;

}

public String getTitle() {

return title;

}

public void setTitle(String title) {

this.title = title;

}

}

**BookRepository.java**

package com.example.demo;

import org.springframework.data.jpa.repository.JpaRepository;

public interface BookRepository extends JpaRepository<Book, Long> {

Book findByTitle(String title);

}

**DemoApplication.java**

package com.example.demo;

import org.springframework.boot.\*;

import org.springframework.boot.autoconfigure.\*;

import org.springframework.context.annotation.Bean;

@SpringBootApplication

public class DemoApplication {

public static void main(String[] args) {

SpringApplication.run(DemoApplication.class, args);

}

@Bean

CommandLineRunner run(BookRepository repo) {

return args -> {

repo.save(new Book("Spring Data JPA Guide"));

Book book = repo.findByTitle("Spring Data JPA Guide");

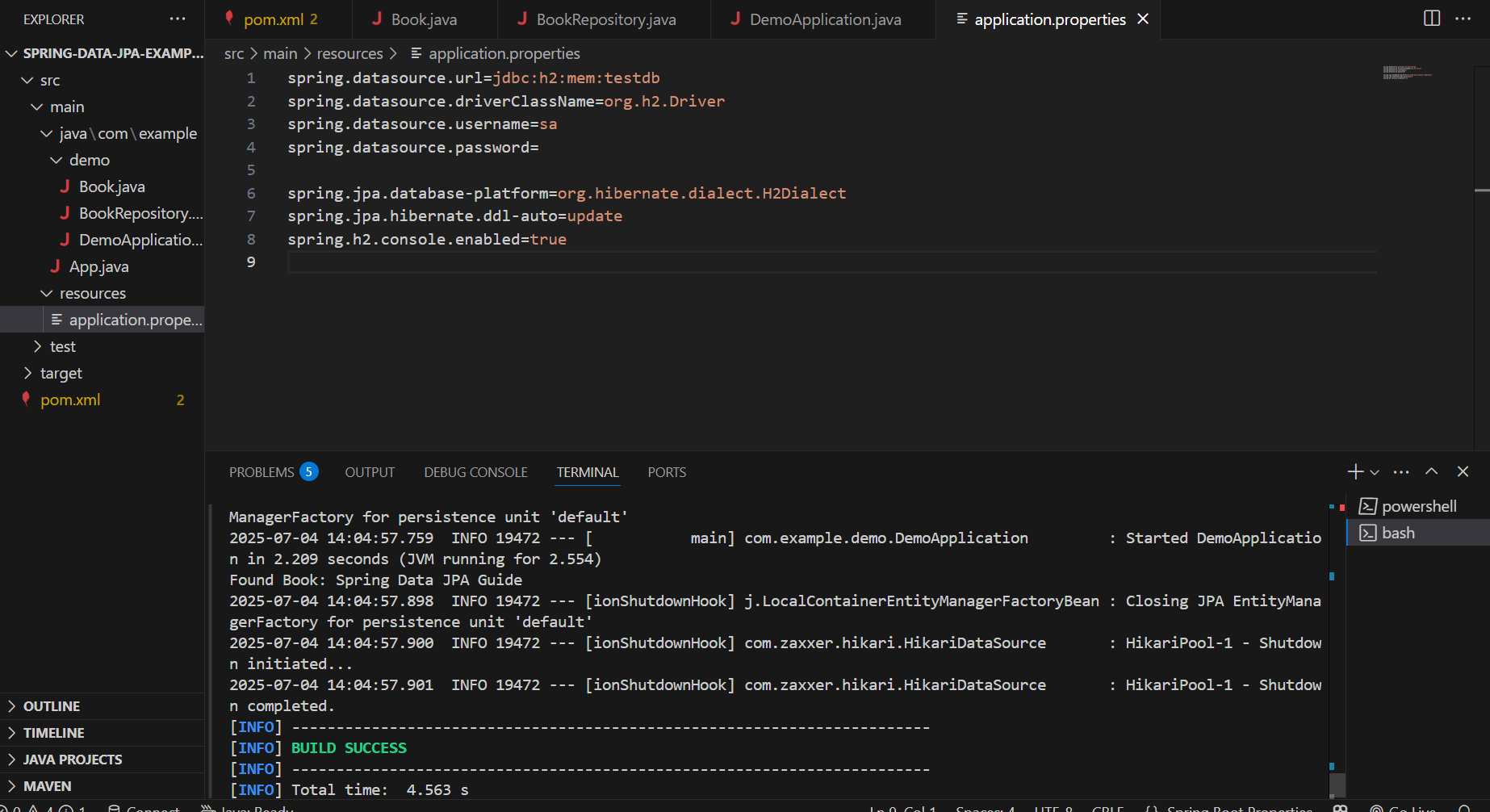
System.out.println("Found Book: " + book.getTitle());

};

}

}

**Output**

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