**TASK 2: Demonstrate the need and benefit of Spring Data JPA**

**Country.java**

package com.cognizant.ormlearn.model;

import jakarta.persistence.Entity;

import jakarta.persistence.Id;

import jakarta.persistence.Table;

@Entity

@Table(name = "country")

public class Country {

@Id

private String code;

private String name;

public Country() {}

public Country(String code, String name) {

this.code = code;

this.name = name;

}

// Getters and Setters

public String getCode() { return code; }

public void setCode(String code) { this.code = code; }

public String getName() { return name; }

public void setName(String name) { this.name = name; }

@Override

public String toString() {

return "Country{code='" + code + "', name='" + name + "'}";

}

}

**CountryRepository.java**

package com.cognizant.ormlearn.repository;

import com.cognizant.ormlearn.model.Country;

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

public interface CountryRepository extends JpaRepository<Country, String> {}

**CountryService.java**

package com.cognizant.ormlearn.service;

import com.cognizant.ormlearn.model.Country;

import com.cognizant.ormlearn.repository.CountryRepository;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import java.util.List;

@Service

public class CountryService {

@Autowired

private CountryRepository countryRepository;

public void loadCountries() {

countryRepository.save(new Country("IN", "India"));

countryRepository.save(new Country("US", "United States"));

List<Country> countries = countryRepository.findAll();

countries.forEach(System.out::println);

}

}

**OrmLearnApplication.java**

package com.cognizant.ormlearn;

import com.cognizant.ormlearn.service.CountryService;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.boot.CommandLineRunner;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class OrmLearnApplication implements CommandLineRunner {

@Autowired

private CountryService countryService;

public static void main(String[] args) {

SpringApplication.run(OrmLearnApplication.class, args);

}

@Override

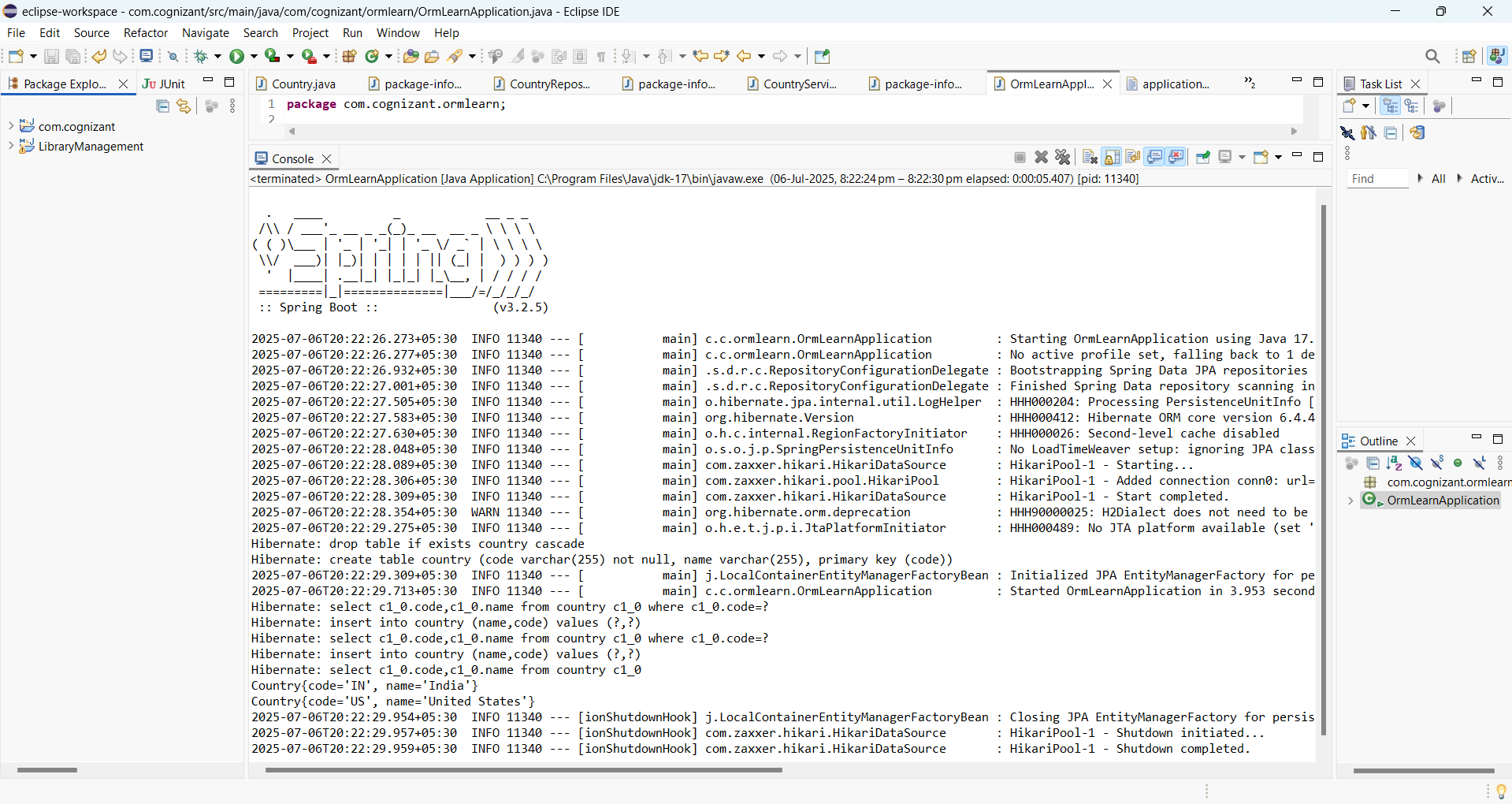
public void run(String... args) {

countryService.loadCountries();

}

}

**OUTPUT:**

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