File JPA/orm-learn/src/main/java/com/cognizant/orm\_learn/model/Country.java

package com.cognizant.orm\_learn.model;

import jakarta.persistence.Column;

import jakarta.persistence.Entity;

import jakarta.persistence.Id;

import jakarta.persistence.Table;

@Entity

@Table(name="country")

public class Country {

@Id

@Column(name="co\_code")

private String code;

@Column(name="co\_name")

private String name;

// getters and setters

public void setCode(String code)

{

this.code = code;

}

public String getCode()

{

return this.code;

}

public void setName(String name)

{

this.name = name;

}

public String getName()

{

return this.name;

}

// toString()

@Override

public String toString()

{

return "Country [code=" + code + ", name=" + name + "]";

}

}

File JPA/orm-learn/src/main/java/com/cognizant/orm\_learn/repository/CountryRepository.java

package com.cognizant.orm\_learn.repository;

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

import org.springframework.stereotype.Repository;

import com.cognizant.orm\_learn.model.Country;

@Repository

public interface CountryRepository extends JpaRepository<Country, String>

{

}

File: JPA/orm-learn/src/main/java/com/cognizant/orm\_learn/service/CountryService.java

package com.cognizant.orm\_learn.service;

import java.util.List;

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

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import com.cognizant.orm\_learn.model.Country;

import com.cognizant.orm\_learn.repository.CountryRepository;

@Service

public class CountryService

{

@Autowired

private CountryRepository countryRepository;

@Transactional

public List<Country> getAllCountries()

{

return countryRepository.findAll();

}

}

File JPA/orm-learn/src/main/java/com/cognizant/orm\_learn/OrmLearnApplication.java

package com.cognizant.orm\_learn;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import com.cognizant.orm\_learn.service.\*;

import com.cognizant.orm\_learn.model.\*;

import java.util.List;

import org.springframework.context.ApplicationContext;

@SpringBootApplication

public class OrmLearnApplication

{

private static final Logger LOGGER = LoggerFactory.getLogger(OrmLearnApplication.class);

private static CountryService countryService;

public static void main(String[] args)

{

ApplicationContext context = SpringApplication.run(OrmLearnApplication.class, args);

countryService = context.getBean(CountryService.class);

System.out.println("-------------------------------------My Output Start");

System.out.println();

LOGGER.info("Inside main");

testGetAllCountries();

System.out.println();

System.out.println("-------------------------------------My Output End");

}

private static void testGetAllCountries()

{

LOGGER.info("Start");

List<Country> countries = countryService.getAllCountries();

LOGGER.debug("countries={}", countries);

LOGGER.info("End");

}

}