**HANDS ON 7**

**Add a new country** 

**Appliction.properties:**

spring.application.name=orm\_learn

spring.datasource.url=jdbc:h2:mem:orm\_learn

spring.datasource.driver-class-name=org.h2.Driver

spring.datasource.username=sa

spring.datasource.password=

spring.jpa.show-sql=true

spring.jpa.properties.hibernate.format\_sql=true

spring.jpa.hibernate.ddl-auto=create

spring.h2.console.enabled=true

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

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

**Country.java:**

**package** com.cognizant.orm\_learn.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;

}

**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.orm\_learn.repository;

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

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

**import** org.springframework.stereotype.Repository;

@Repository

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

}

**CountryService.java:**

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

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

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

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

**import** org.springframework.stereotype.Service;

**import** jakarta.transaction.Transactional;

@Service

**public** **class** CountryService {

@Autowired

**private** CountryRepository countryRepository;

**public** Country findCountryByCode(String code) {

**return** countryRepository.findById(code).orElse(**null**);

}

@Transactional

**public** **void** addCountry(Country country) {

countryRepository.save(country);

}

}

**OrmLeranApplication.java:**

**package** com.cognizant.orm\_learn;

**import** org.springframework.boot.SpringApplication;

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

@SpringBootApplication

**public** **class** OrmLearnApplication {

**public** **static** **void** main(String[] args) {

SpringApplication.*run*(OrmLearnApplication.**class**, args);

}

}

**TestController.java:**

**package** com.cognizant.orm\_learn.controller;

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

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

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

**import** org.springframework.web.bind.annotation.GetMapping;

**import** org.springframework.web.bind.annotation.RestController;

@RestController

**public** **class** TestController {

@Autowired

**private** CountryService countryService;

@GetMapping("/test-add")

**public** String testAddCountry() {

Country newCountry = **new** Country("JP", "Japan");

countryService.addCountry(newCountry);

Country result = countryService.findCountryByCode("JP");

**if** (result != **null**) {

**return** "Country added: " + result;

} **else** {

**return** "Country not found";

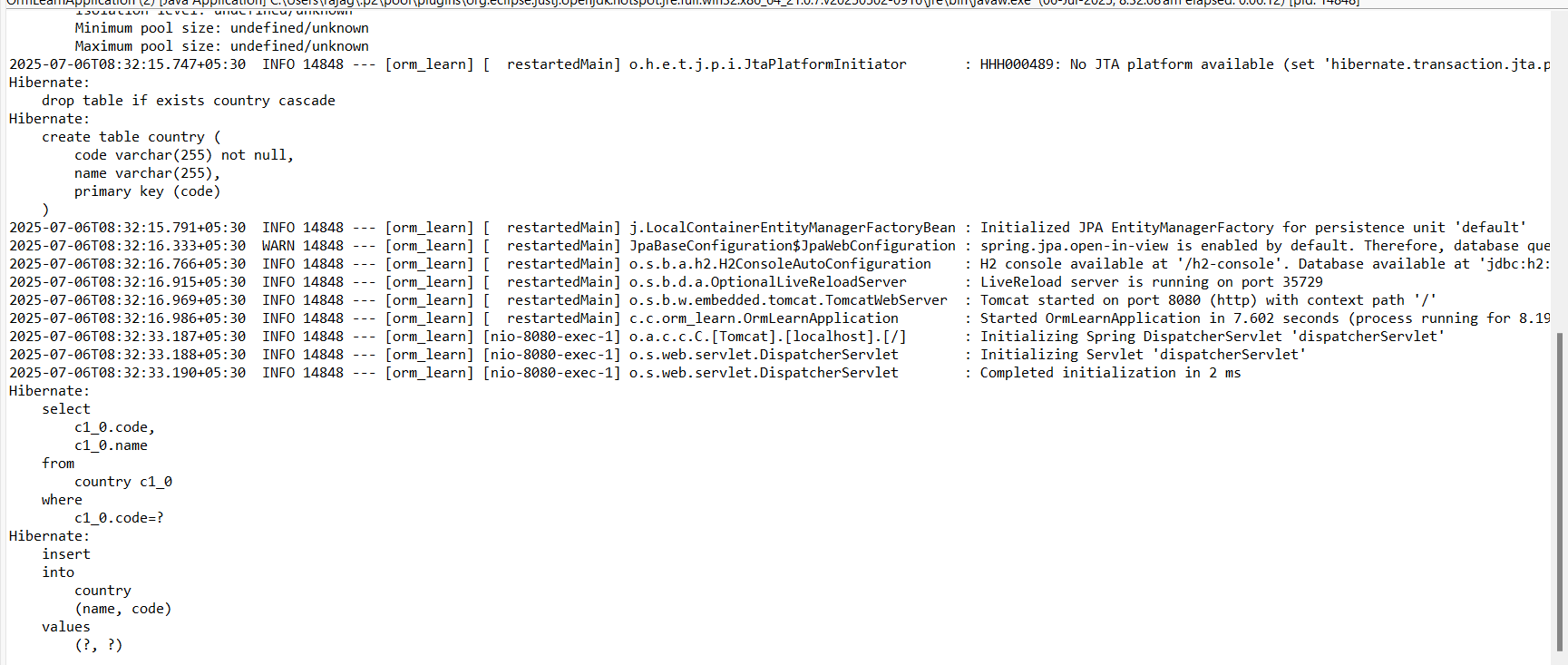
}

}

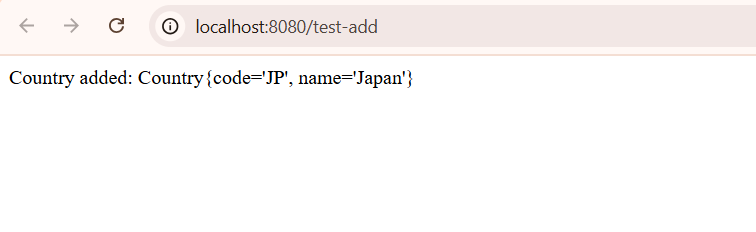
}

**OUTPUT:**





In <http://localhost:8080/test-add>:



In <http://localhost:8080/h2-console>:

