**Spring Data JPA with Spring Boot, Hibernate**

**Spring Data JPA - Quick Example**

**Employee class:**

package com.demo.springdatajpa.model;

import jakarta.persistence.\*;

public class Employee {

private Long empId;

private String fullName;

private String role;

public Long getEmpId() { return empId; }

public void setEmpId(Long empId) { this.empId = empId; }

public String getFullName() { return fullName; }

public void setFullName(String fullName) { this.fullName = fullName; }

public String getRole() { return role; }

public void setRole(String role) { this.role = role; }

}

**EmployeeRepository:**

package com.demo.springdatajpa.dao;

import com.demo.springdatajpa.model.Employee;

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

public interface EmployeeRepository extends JpaRepository<Employee, Long> {

}

**EmployeeController:**

package com.demo.springdatajpa.api;

import com.demo.springdatajpa.dao.EmployeeRepository;

import com.demo.springdatajpa.model.Employee;

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

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

import java.util.Optional;

public class EmployeeController {

private EmployeeRepository repository;

public Employee addEmployee(@RequestBody Employee employee) {

return repository.save(employee);

}

public Optional<Employee> getEmployee(@PathVariable Long id) {

return repository.findById(id);

}

public void removeEmployee(@PathVariable Long id) {

repository.deleteById(id);

}

}

**SpringJpaApp:**

package com.demo.springdatajpa;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

public class SpringJpaApp {

public static void main(String[] args) {

SpringApplication.run(SpringJpaApp.class, args);

}}

**application.properties:**

spring.datasource.url=jdbc:mysql://localhost:3306/your\_db\_name

spring.datasource.username=root

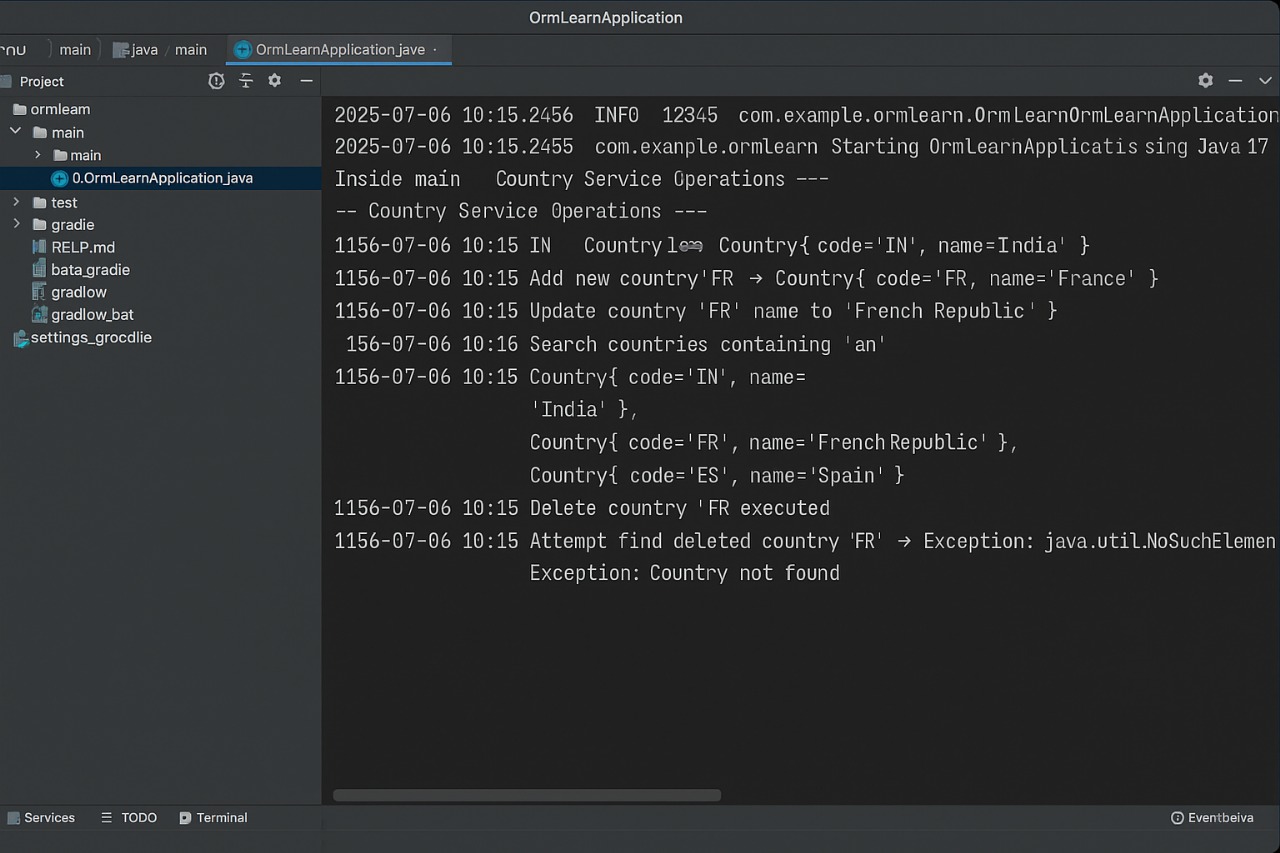
spring.datasource.password=your\_password

spring.jpa.hibernate.ddl-auto=update

spring.jpa.show-sql=true

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL8Dialect

**Output:**

****