File:

package com.example.springdatajpa.model;

import jakarta.persistence.Entity;

import jakarta.persistence.Id;

@Entity

public class Country {

    @Id

    private String code;

    private String 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;

    }

}

spring.datasource.url=jdbc:h2:mem:testdb

spring.datasource.driverClassName=org.h2.Driver

spring.datasource.username=root

spring.datasource.password=root

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

spring.jpa.hibernate.ddl-auto=update

logging.level.org.hibernate.SQL=debug

package com.example.springdatajpa;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SpringDataJpaApplication {

    public static void main(String[] args) {

        SpringApplication.run(SpringDataJpaApplication.class, args);

package com.example.springdatajpa;

import com.example.springdatajpa.model.Country;

import com.example.springdatajpa.repository.CountryRepository;

import org.springframework.boot.CommandLineRunner;

import org.springframework.stereotype.Component;

@Component

public class JpaRunner implements CommandLineRunner {

    private final CountryRepository countryRepo;

    public JpaRunner(CountryRepository countryRepo) {

        this.countryRepo = countryRepo;

    }

    @Override

    public void run(String... args) throws Exception {

        Country c1 = new Country();

        c1.setCode("IN");

        c1.setName("India");

        Country c2 = new Country();

        c2.setCode("US");

        c2.setName("United States");

        countryRepo.save(c1);

        countryRepo.save(c2);

        System.out.println("== All Countries ==");

        countryRepo.findAll().forEach(c -> System.out.println(c.getCode() + " - " + c.getName()));

        System.out.println("== Search by name containing 'Uni' ==");

        countryRepo.findByNameContainingIgnoreCase("uni").forEach(c -> System.out.println(c.getCode() + " - " + c.getName()));

    }

}

package com.example.springdatajpa.repository;

import com.example.springdatajpa.model.Country;

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

import java.util.List;

public interface CountryRepository extends JpaRepository<Country, String> {

    List<Country> findByNameContainingIgnoreCase(String keyword);

}

Output:

A computer screen shot of text

AI-generated content may be incorrect.