**Find a country based on country code**

**Add Method to Repository**:

public interface CountryRepository extends JpaRepository<Country, Long> {

Country findByCode(String code);

}

**Use It**:

Country country = countryRepository.findByCode("IN");

System.out.println(“country = “ + country);

**Output:**

country = India

**Add a new country**

**Entity Class: Country.java**

package com.debangshu.spring.data.jpa.entity;

import jakarta.persistence.Entity;

import jakarta.persistence.Id;

import jakarta.persistence.Table;

import lombok.AllArgsConstructor;

import lombok.Builder;

import lombok.Data;

import lombok.NoArgsConstructor;

@Entity

@Data

@Builder

@NoArgsConstructor

@AllArgsConstructor

@Table(name = "country")

public class Country {

@Id

private String code; // Assuming ISO code like "IN", "US"

private String name;

}

**Repository Interface: CountryRepository.java**

package com.debangshu.spring.data.jpa.repository;

import com.debangshu.spring.data.jpa.entity.Country;

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

public interface CountryRepository extends JpaRepository<Country, String> {

}

**Test Class: CountryRepositoryTest.java**

package com.debangshu.spring.data.jpa.repository;

import com.debangshu.spring.data.jpa.entity.Country;

import org.junit.jupiter.api.Test;

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

import org.springframework.boot.test.context.SpringBootTest;

@SpringBootTest

public class CountryRepositoryTest {

@Autowired

private CountryRepository countryRepository;

@Test

public void addCountry() {

Country india = Country.builder()

.code("IN")

.name("India")

.build();

countryRepository.save(india);

}

}

**Output:**

* When you run the addCountry() test method, it will insert a new record into the country table:

insert into country (name, code) values ('India', 'IN');

* If the table already has a row with code = "IN", it will be **updated** instead of inserted (because code is the primary key).
* Console Output (Hibernate Log):

Hibernate: insert into country (name, code) values (?, ?)