Find a country based on country code

### *1.* *****Update the***** *Country* *****Entity*****

Add a code field (like IN for India, US for USA):

import jakarta.persistence.\*;

@Entity

public class Country {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(unique = true)

private String code; // e.g., "IN", "US"

private String name;

private String capital;

public Country() {}

public Country(String code, String name, String capital) {

this.code = code;

this.name = name;

this.capital = capital;

}

public Long getId() { return id; }

public void setId(Long id) { this.id = id; }

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; }

public String getCapital() { return capital; }

public void setCapital(String capital) { this.capital = capital; }

}

### *2.* *****Add Custom Query in Repository*****

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

public interface CountryRepository extends JpaRepository<Country, Long> {

Country findByCode(String code);

}

### *3.* *****Add Method in Service Interface*****

Country getCountryByCode(String code);

### *4.* *****Implement the Method in***** *CountryServiceImpl*

@Override

public Country getCountryByCode(String code) {

return countryRepository.findByCode(code);

}

### *5.* *****Add API Endpoint in***** *CountryController*

@GetMapping("/code/{code}")

public Country getCountryByCode(@PathVariable String code) {

return countryService.getCountryByCode(code);

}

## *Sample Usage (API Test)*

**Endpoint:**

GET /api/countries/code/IN

**Response:**

{

"id": 1,

"code": "IN",

"name": "India",

"capital": "New Delhi"

}