**Hands on 6**

**Find a country based on country code**

**Method 2: Country findCountryByCode(String code) throws CountryNotFoundException**

**Description:**  
Finds a country by its code. Throws a custom exception if not found.

**Code:**

**@Transactional**

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

**Optional<Country> result = countryRepository.findById(code);**

**if (result.isEmpty()) throw new CountryNotFoundException("Country does not exist");**

**return result.get();**

**}**

**Main Method to Call service:**

**private static void findCountryByCodeTest() {**

**LOGGER.info("Start: findCountryByCodeTest");**

**try {**

**Country country = countryService.findCountryByCode("JP");**

**LOGGER.debug("Found Country: {}", country);**

**} catch (CountryNotFoundException e) {**

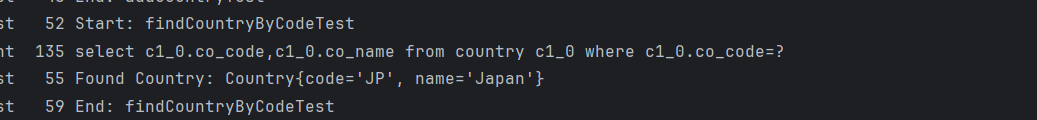
**LOGGER.warn("Exception: {}", e.getMessage());**

**}**

**LOGGER.info("End: findCountryByCodeTest");**

**}**

**Output:**

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