**CountryService.java:**

import com.cognizant.springlearn.service.exception.CountryNotFoundException;

import org.springframework.transaction.annotation.Transactional;

@Service

public class CountryService {

@Autowired

private CountryRepository countryRepository;

@Transactional

public Country findCountryByCode(String countryCode) throws CountryNotFoundException {

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

if (!result.isPresent()) {

throw new CountryNotFoundException("Country not found with code: " + countryCode);

}

return result.get();

}

}

**OrmLearnApplication.java:**

import com.cognizant.springlearn.model.Country;

import com.cognizant.springlearn.service.CountryService;

import com.cognizant.springlearn.service.exception.CountryNotFoundException;

@SpringBootApplication

public class OrmLearnApplication implements CommandLineRunner {

private static final Logger LOGGER = LoggerFactory.getLogger(OrmLearnApplication.class);

@Autowired

private CountryService countryService;

public static void main(String[] args) {

SpringApplication.run(OrmLearnApplication.class, args);

}

@Override

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

getCountryByCodeTest();

}

private void getCountryByCodeTest() {

LOGGER.info("Start");

try {

Country country = countryService.findCountryByCode("IN");

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

} catch (CountryNotFoundException e) {

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

}

LOGGER.info("End");

}

}

CountryNotFoundException.java:

package com.cognizant.springlearn.service.exception;

public class CountryNotFoundException extends Exception {

public CountryNotFoundException(String message) {

super(message);

}

}