# 1. spring-rest-handson

# Hands-on 1: Create Spring Boot Web Project using Maven

## Main Application Code

@SpringBootApplication  
public class SpringLearnApplication {  
 private static final Logger LOGGER = LoggerFactory.getLogger(SpringLearnApplication.class);  
  
 public static void main(String[] args) {  
 SpringApplication.run(SpringLearnApplication.class, args);  
 LOGGER.info("START");  
 displayCountry();  
 LOGGER.info("END");  
 }  
}

## application.properties

logging.level.root=debug  
server.port=8080

# Hands-on 4: Load Country from Spring Configuration XML

## country.xml

<beans xmlns="http://www.springframework.org/schema/beans"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xsi:schemaLocation="http://www.springframework.org/schema/beans   
 http://www.springframework.org/schema/beans/spring-beans.xsd">  
  
 <bean id="country" class="com.cognizant.springlearn.Country">  
 <property name="code" value="IN"/>  
 <property name="name" value="India"/>  
 </bean>  
</beans>

## Country.java

public class Country {  
 private String code;  
 private String name;  
 private static final Logger LOGGER = LoggerFactory.getLogger(Country.class);  
  
 public Country() {  
 LOGGER.debug("Inside Country Constructor.");  
 }  
  
 public String getCode() {  
 LOGGER.debug("Getting country code");  
 return code;  
 }  
  
 public void setCode(String code) {  
 LOGGER.debug("Setting country code");  
 this.code = code;  
 }  
  
 public String getName() {  
 LOGGER.debug("Getting country name");  
 return name;  
 }  
  
 public void setName(String name) {  
 LOGGER.debug("Setting country name");  
 this.name = name;  
 }  
  
 @Override  
 public String toString() {  
 return "Country [code=" + code + ", name=" + name + "]";  
 }  
}

## displayCountry() Method in SpringLearnApplication.java

public static void displayCountry() {  
 ApplicationContext context = new ClassPathXmlApplicationContext("country.xml");  
 Country country = context.getBean("country", Country.class);  
 LOGGER.debug("Country : {}", country.toString());  
}