Hands-on 1: Spring Boot Project Setup

### **🔧 Goal: Create a Spring Boot Web Project using Maven**

1. **Go to Spring Initializr**:<https://start.spring.io>
2. **Fill in the details**:  
   * Group: com.cognizant
   * Artifact: spring-learn
   * Dependencies: Spring Web, Spring Boot DevTools
3. **Download and extract the zip** into your Eclipse workspace directory.

**Build the project using Maven with proxy (if needed)**:  
  
mvn clean package \

-Dhttp.proxyHost=proxy.cognizant.com \

-Dhttp.proxyPort=6050 \

-Dhttps.proxyHost=proxy.cognizant.com \

-Dhttps.proxyPort=6050 \

-Dhttp.proxyUser=123456

**Import into Eclipse**:  
  
File > Import > Maven > Existing Maven Projects > Browse to the folder > Finish

1. **Understand the Structure**:  
   * src/main/java: Java source files
   * src/main/resources: Configuration files (e.g., application.properties)
   * SpringLearnApplication.java: Main class with @SpringBootApplication  
     + Entry point via SpringApplication.run(...)
2. **Verify the main() method works**:  
   * Run SpringLearnApplication as a Java Application.