Spring Boot Maven Web Project Setup Guide

# 1. Project Generation (Spring Initializr)

• Go to https://start.spring.io/  
• Set Group as: com.cognizant  
• Set Artifact as: spring-learn  
• Add Dependencies: Spring Web, Spring Boot DevTools  
• Click Generate to download the ZIP file

# 2. Importing into Eclipse

• Extract the ZIP file  
• Open Eclipse → File > Import > Maven > Existing Maven Projects  
• Select the extracted folder  
• Finish import

# 3. Build the Project using Maven

• Open Command Prompt and navigate to the project folder  
Example:  
cd C:\Users\saida\Downloads\spring-learn\spring-learn  
  
Run:  
mvn clean package -Dhttp.proxyHost=proxy.cognizant.com -Dhttp.proxyPort=6050 -Dhttps.proxyHost=proxy.cognizant.com -Dhttps.proxyPort=6050 -Dhttp.proxyUser=6371952

# 4. Fix Port 8080 Conflict (if needed)

If port 8080 is in use:  
• Run: netstat -ano | findstr :8080  
• Kill the PID: taskkill /PID <PID> /F  
Or change port in src/main/resources/application.properties:  
server.port=8081

# 5. Create a REST Controller

Create file: src/main/java/com/cognizant/springlearn/controller/HelloController.java  
  
Code:  
package com.cognizant.springlearn.controller;  
  
import org.springframework.web.bind.annotation.GetMapping;  
import org.springframework.web.bind.annotation.RestController;  
  
@RestController  
public class HelloController {  
 @GetMapping("/hello")  
 public String sayHello() {  
 return "Hello from Spring Boot!";  
 }  
}

# 6. Run the Application

• Right-click SpringLearnApplication.java > Run As > Java Application  
• Or use: java -jar target/spring-learn-0.0.1-SNAPSHOT.jar

# 7. Test the Endpoint

• Open browser and go to:  
http://localhost:8080/hello  
• You should see:  
Hello from Spring Boot!



