Create a Spring Web Project using Maven Follow steps below to create a project

**1. Go to Spring Initializr**

* URL: <https://start.spring.io>

**2. Configure Project Details**

| **Field** | **Value** |
| --- | --- |
| **Group** | com.cognizant |
| **Artifact** | spring-learn |
| **Name** | spring-learn |
| **Description** | Spring Web Project |
| **Packaging** | Jar (default) |
| **Java version** | 17 or 21 (as per compatibility) |

**3. Add Dependencies**

* **Spring Boot DevTools**
* **Spring Web**

**4. Click Generate to download the ZIP file.**

**5. Extract & Open in Eclipse**

1. Extract the ZIP file.
2. Open Eclipse.
3. Go to: File > Import > Maven > Existing Maven Projects
4. Browse to the extracted folder and click **Finish**.

**6. Build the Project using Command Line**

mvn clean package -Dhttp.proxyHost=proxy.cognizant.com -Dhttp.proxyPort=6050 -Dhttps.proxyHost=proxy.cognizant.com -Dhttps.proxyPort=6050 -Dhttp.proxyUser=123456

**7. Logging in main() Method**

**Open SpringLearnApplication.java and add a log statement:**

package com.cognizant.spring\_learn;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SpringLearnApplication {

    public static void main(String[] args) {

        SpringApplication.run(SpringLearnApplication.class, args);

    }

}

**pom.xml**

**Walkthrough of configuration:**

* Contains **project metadata** and **dependency information**.
* Key Sections:
  + <dependencies>: Lists all libraries
  + <build>: Can define plugins (like spring-boot-maven-plugin)
  + <properties>: Java version, encoding, etc.
* <?xml version="1.0" encoding="UTF-8"?>
* <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
* xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
* <modelVersion>4.0.0</modelVersion>
* <parent>
* <groupId>org.springframework.boot</groupId>
* <artifactId>spring-boot-starter-parent</artifactId>
* <version>3.5.3</version>
* <relativePath/> <!-- lookup parent from repository -->
* </parent>
* <groupId>com.cognizant</groupId>
* <artifactId>spring-learn</artifactId>
* <version>0.0.1-SNAPSHOT</version>
* <name>spring-learn</name>
* <description>Spring Web Project</description>
* <url/>
* <licenses>
* <license/>
* </licenses>
* <developers>
* <developer/>
* </developers>
* <scm>
* <connection/>
* <developerConnection/>
* <tag/>
* <url/>
* </scm>
* <properties>
* <java.version>17</java.version>
* </properties>
* <dependencies>
* <dependency>
* <groupId>org.springframework.boot</groupId>
* <artifactId>spring-boot-starter-actuator</artifactId>
* </dependency>
* <dependency>
* <groupId>org.springframework.boot</groupId>
* <artifactId>spring-boot-starter-web</artifactId>
* </dependency>
* <dependency>
* <groupId>org.springframework.boot</groupId>
* <artifactId>spring-boot-devtools</artifactId>
* <scope>runtime</scope>
* <optional>true</optional>
* </dependency>
* <dependency>
* <groupId>org.springframework.boot</groupId>
* <artifactId>spring-boot-starter-test</artifactId>
* <scope>test</scope>
* </dependency>
* </dependencies>
* <build>
* <plugins>
* <plugin>
* <groupId>org.springframework.boot</groupId>
* <artifactId>spring-boot-maven-plugin</artifactId>
* </plugin>
* </plugins>
* </build>
* </project>

OUTPUT-

