

Cognizant Digital Nurture 4.0 – Java FSE

Week 4 – Hands-On Report

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Track: Deep Skilling – Java Full Stack Engineer

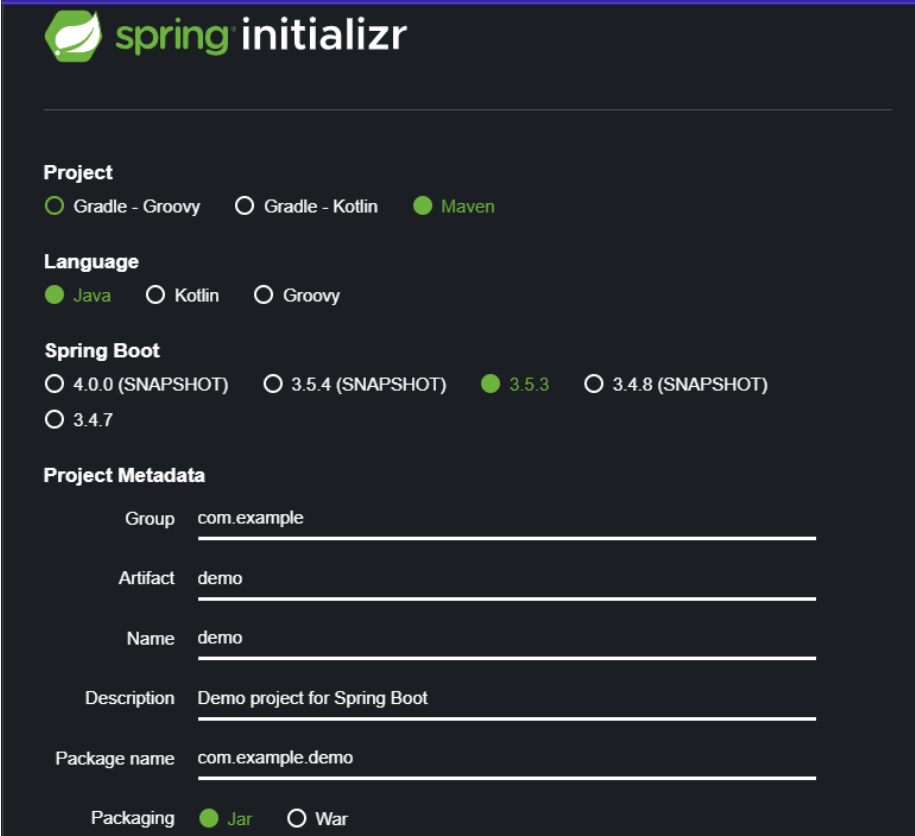
Batch: 2025

Hands on 1

Create a Spring Web Project using Maven

Follow steps below to create a project:

1. Go to <https://start.spring.io/>
2. Change Group as “com.cognizant”
3. Change Artifact Id as “spring-learn”
4. Select Spring Boot DevTools and Spring Web
5. Create and download the project as zip
6. Extract the zip in root folder to Eclipse Workspace



The screenshot shows the Spring Initializr web form with the following configuration:

- Project:** ☒ Gradle - Groovy, ☐ Gradle - Kotlin, ☒ Maven
- Language:** ☒ Java, ☐ Kotlin, ☐ Groovy
- Spring Boot:** ☐ 4.0.0 (SNAPSHOT), ☐ 3.5.4 (SNAPSHOT), ☒ 3.5.3, ☐ 3.4.8 (SNAPSHOT), ☐ 3.4.7
- Project Metadata:**
 - Group: com.example
 - Artifact: demo
 - Name: demo
 - Description: Demo project for Spring Boot
 - Package name: com.example.demo
 - Packaging: ☒ Jar, ☐ War

7. Build the project using ‘mvn clean package -Dhttp.proxyHost=proxy.cognizant.com -Dhttp.proxyPort=6050 -Dhttps.proxyHost=proxy.cognizant.com -Dhttps.proxyPort=6050 -Dhttp.proxyUser=123456’ command in command line

```
22:26:33.883 [main] INFO SpringLearnApplication -- SpringLearnApplication main() started
22:26:34.156 [restartedMain] INFO SpringLearnApplication -- SpringLearnApplication main() started
```

Spring Boot

:: Spring Boot ::
(v3.5.3)

```
2025-07-10T22:26:34.720+05:30 INFO 5552 --- [spring-learn] [ restartedMain] SpringLearnApplication
2025-07-10T22:26:34.724+05:30 INFO 5552 --- [spring-learn] [ restartedMain] SpringLearnApplication
2025-07-10T22:26:34.823+05:30 INFO 5552 --- [spring-learn] [ restartedMain] .e.DevToolsPropertyDefaultsPostProc
2025-07-10T22:26:34.823+05:30 INFO 5552 --- [spring-learn] [ restartedMain] .e.DevToolsPropertyDefaultsPostProc
2025-07-10T22:26:34.850+05:30 WARN 5552 --- [spring-learn] [ restartedMain] ionWarningsApplicationContextInitia
```

8. Import the project in Eclipse "**File > Import > Maven > Existing Maven Projects > Click Browse and select extracted folder > Finish**"
9. Include logs to verify if **main()** method of SpringLearnApplication.

```
22:34:11.231 [main] INFO SpringLearnApplication -- Logging application starts succesfully  
22:34:11.552 [restartedMain] INFO SpringLearnApplication -- Logging application starts succesfully
```

\ / _ \
() Spring >>>
//_/_____/_____
=====|_|=====||_/=///>

:: Spring Boot :: (v3.5.3)

```
2025-07-10T22:34:12.109+05:30 INFO 3612 --- [spring-learn] [ restartedMain] SpringLearnApplication  
2025-07-10T22:34:12.113+05:30 INFO 3612 --- [spring-learn] [ restartedMain] SpringLearnApplication
```

10. Run the SpringLearnApplication class.