



Practice **Build the Skeleton of Spring Boot Application**

Practice

- Create a Spring Boot Application



An illustration of two people, a woman with dark hair and glasses wearing a red top, and a man with brown hair and glasses wearing a yellow top. They are sitting at a light blue desk with a large blue computer monitor. The woman is holding a yellow clipboard. On the desk, there is also a white coffee cup with a red lid, a yellow pencil, and a notepad with a red pencil. The background is light green with some abstract shapes and a large green plant on the right. The word 'PRACTICE' is written in bold, dark green capital letters in the upper right area.

PRACTICE

Practice: Create a Spring Boot Application

The Spring Boot framework makes it easy to create standalone, production-grade, Spring-based applications that you can "just run." It makes creating back-end applications simple. This practice challenge will help you create a Spring Boot application.

Implementation Environment



The image shows the Spring Initializr web interface. It has a header with the 'spring initializr' logo. Below the header, there are three main sections: Project, Language, and Dependencies. The Project section has radio buttons for 'Maven Project' (selected) and 'Gradle Project'. The Language section has radio buttons for 'Java' (selected) and 'Kotlin', and 'Groovy'. The Dependencies section has a text input field and a button 'ADD DEPENDENCIES... CTRL + B'. Below these sections is the 'Spring Boot' section with radio buttons for versions: '3.0.0 (SNAPSHOT)', '3.0.0 (M5)', '2.7.5 (SNAPSHOT)', '2.7.4' (selected), '2.6.13 (SNAPSHOT)', and '2.6.12'. At the bottom is the 'Project Metadata' section with three text input fields: 'Group' (com.example), 'Artifact' (demo), and 'Name' (demo). At the very bottom are three buttons: 'GENERATE CTRL + G', 'EXPLORE CTRL + SPACE', and 'SHARE...'. The interface is clean and modern, with a light blue and white color scheme.

- Create a Spring Boot application from the [Spring Initializr](#).
- Select Maven as the project and enter all project metadata details, such as group and artifact name.
- The packaging should be JAR and Java version 11.
- Click on the Generate button.
- Extract the project into your local machine.

Practice: Tasks

- Export the project to your IntelliJ IDE.
- Within the `src/main/java` directory, create a package and name it `com.jap.demo`
- Within the package, rename the class as `WebDemoApplication`.
- Within the main method, write "Good day to you".
- Annotate the main method with `@SpringBootApplication`.
- Run the boot application by using the Spring execution: **`mvn spring-boot:run`**

Submission Instructions

- There is no boilerplate for the practice.
- Create a Git repository named **BEJ_C1_S4_Spring_Boot_PC_1**.
- After completing the practice, push the code back to git using the below commands.

```
git init
git remote add origin <url>
git add .
git commit -m "comments on the push"
git push -u origin master
```

- Submit it for review.