

How to create Spring-Boot Application in Eclipse IDE

Pre-requisite

- Spring Tool Suite extension should be installed from Eclipse-Marketplace

Steps:

1. Click on File → New → Spring Starter Project

(If you don't see it: File → New → Other... → type "Spring Starter Project".)

2. Setting Up Project Name:

Name: demo-thymeleaf-actuator

Type: Maven

Packaging: Jar

Java: 17 or 21 (match your JDK)

Group: com.example

Artifact: demo

Click Next.

3. Choose dependencies:

Search & select:

Spring Web

Thymeleaf

Spring Boot Actuator

4. Click Finish. Eclipse generates and opens the project.

5. Add a simple controller in src/main/java/com/example/demo under package

controller:

New Java Class

Java Class
Create a new Java class.

Source folder:

Package:

☐ Enclosing type:

Name:

Modifiers: ☒ public ☐ package ☐ private ☐ protected
☐ abstract ☐ final ☐ static
☒ none ☐ sealed ☐ non-sealed ☐ final

Superclass:

Interfaces:

Which method stubs would you like to create?

☐ public static void main(String[] args)
☐ Constructors from superclass
☒ Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))
☐ Generate comments

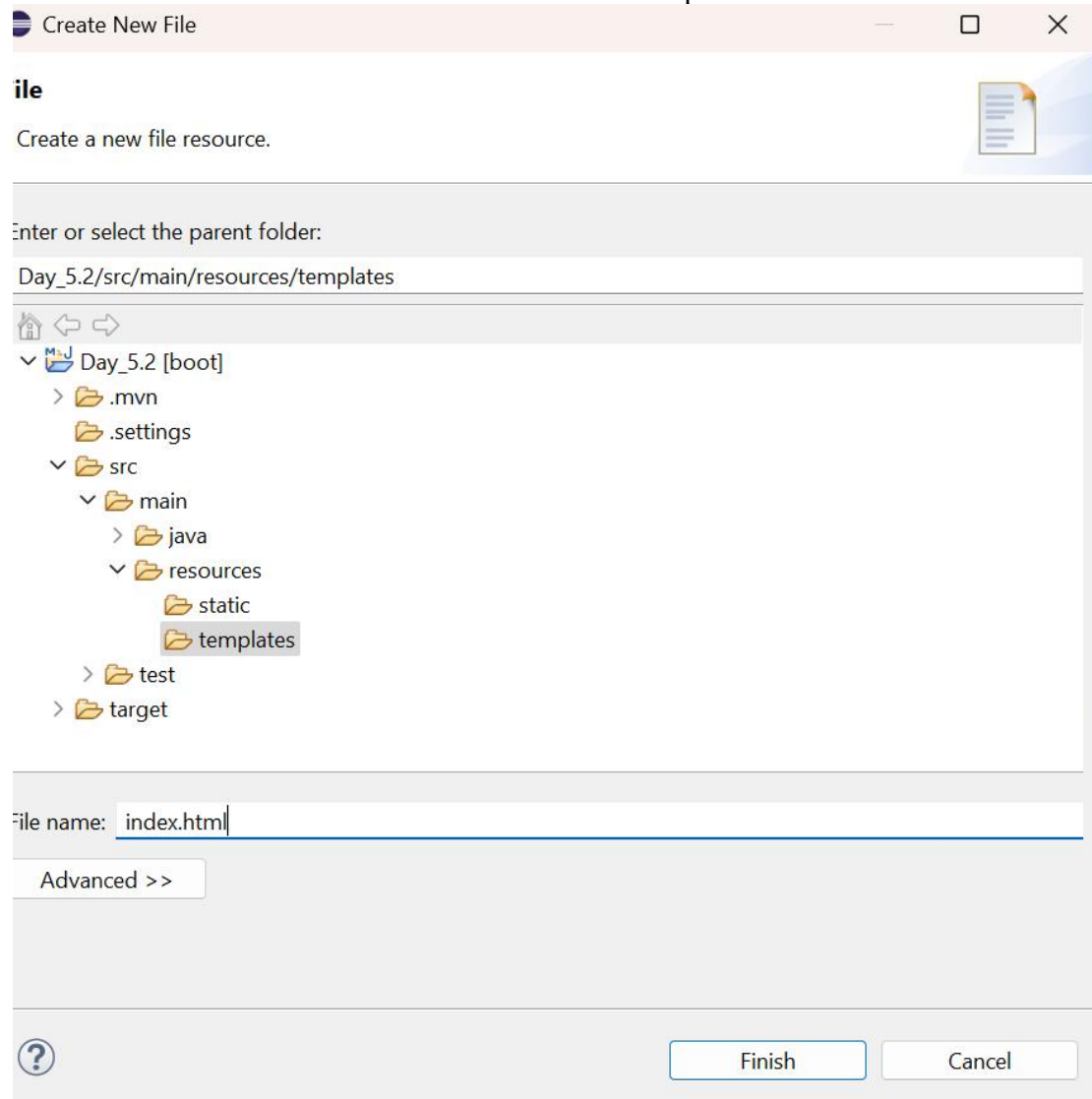
HomeController.java Code

```
package com.example.demo.controller;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.GetMapping;

@Controller
public class HomeController {
    @GetMapping("/")
    public String home() {
        return "index"; // it maps to src/main/resources/templates/index.html
    }
}
```

6. Add a Thymeleaf template

Add index.html under src/main/resources/templates folder:



Index.html Code

```
<!doctype html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
  <meta charset="UTF-8">
  <title>My App</title>
</head>
<body>
  <p>Hello from Thymeleaf!</p>
  <p><a href="/actuator/health">Actuator Health</a></p>
</body>
</html>
```

7. Configure application properties (dev-friendly)

```
spring.application.name=demo-thymeleaf-actuator  
server.port=8080
```

```
# Actuator: expose selected endpoints in dev  
management.endpoints.web.exposure.include=health,info  
management.endpoint.health.show-details=always
```

```
# Thymeleaf: disable cache for dev  
spring.thymeleaf.cache=false
```

8. For a quick demo of all endpoints, you can use

```
management.endpoints.web.exposure.include=* in dev only; avoid in prod
```

9. Run the app

Right-click project → Run As → Spring Boot App

10. Test in browser

Home: <http://localhost:8080/>

Actuator health: <http://localhost:8080/actuator/health>

Actuator info: <http://localhost:8080/actuator/info> (empty by default)