How to create Spring-Boot Application in Eclipse IDE

Pre-requiste

- Spring Tool Suite extention 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/jav/com/example/demo under package controller:
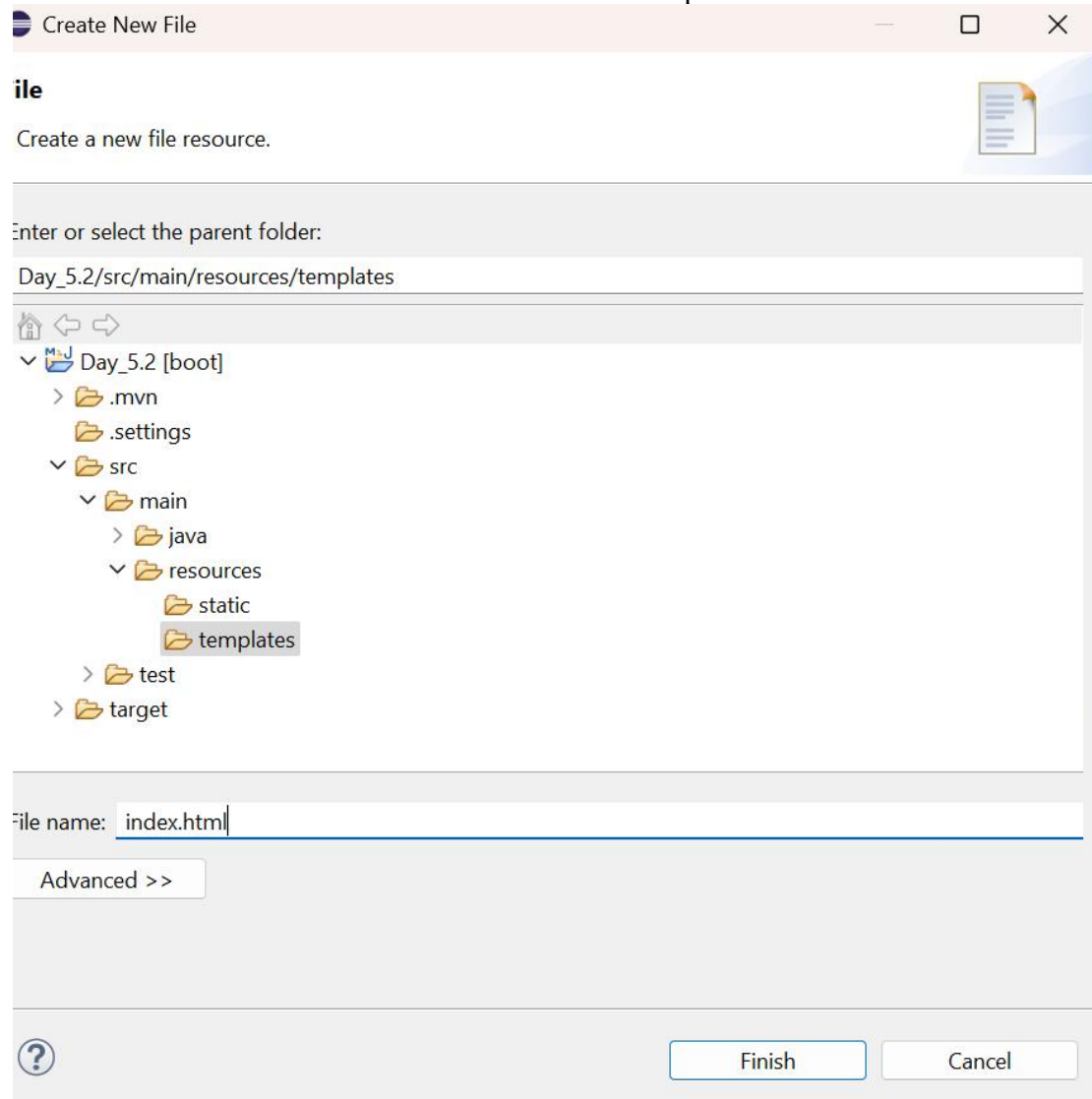
HomeController.java Code

```java
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)