Logging in Spring Boot
Lombok annotation

import lombok.extern.slf4j.Slf4j;

@Slf4j
@Controller
public class HelloController {

will generate:

public class HelloController {

  private static final org.slf4j.Logger log =
    org.slf4j.LoggerFactory.getLogger(HelloController.class);

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```
package com.springBoot.firstExample;
...
import lombok.extern.slf4j.Slf4j;

@Slf4j
@Controller
public class HelloController {
...
   @GetMapping("/hello")
    public String showFormPage(Model model) {
         log.info("get hello"); ...

  @PostMapping("/hello")
  public String onSubmit(@ModelAttribute Name name, Model model) {
         log.info("post hello, Name submitted: {}", name!=null?
                                          name.getValue(): "null");

         model.addAttribute("helloMessage",
         helloService.sayHello(name.getValue()));
         return "helloView";
  }
}
```

Spring_Boot_FirstExample [boot] [devtools]

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← → C ⓘ localhost:8080/hello

Name: [Annemie] [OK]

← → C ⓘ localhost:8080/hello

Hello Annemie!

🔲 Problems @ Javadoc 🔖 Declaration 🖥 Console × ⚙ Servers Jᵤ JUnit

Spring_Boot_FirstExample3 - SpringBootFirstExample3Application [Spring Boot App]

```
exec-1] o.s.web.servlet.DispatcherServlet      : Initializing Servlet 'dispatcherServlet'
exec-1] o.s.web.servlet.DispatcherServlet      : Completed initialization in 0 ms
exec-2] c.s.HelloController                     get hello
exec-5] c.s.HelloController                     post hello, Name submitted: Annemie
```

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```java
@PostMapping("/hello")
public String onSubmit(Name name, Model model) {
    Log.info("post hello, Name submitted: {}", name!=null? name.getValue(): "null");

    Log.info("An INFO Message");
    Log.warn("A WARN Message");
    Log.error("An ERROR Message");

    Log.debug("inside hello post method");

    model.addAttribute("helloMessage", helloService.sayHello(name.getValue()));
    return "helloView";
}
```
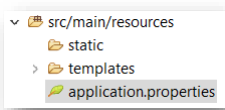
```
exec-2] c.s.HelloController                     : post hello, Name submitted: Annemie
exec-2] c.s.HelloController                     : An INFO Message
exec-2] c.s.HelloController                     : A WARN Message
exec-2] c.s.HelloController                     : An ERROR Message
```

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Output to a file

src/main/resources
  static
  templates
  application.properties

logging.level.com.springBoot_firstExample=DEBUG

 # output to a file
logging.file.name=logFile.log

Workspace   >   Spring_Boot_FirstExample

logFile   4/03/2025 11:55   Tekstdocument

```
2025-03-04T11:55:25.690+01:00  INFO 7896 --- [http-nio-8080-exec-2] c.s.HelloController              : get hello
2025-03-04T11:55:28.836+01:00  INFO 7896 --- [http-nio-8080-exec-3] c.s.HelloController              : post hello, Name submitted: Annemie
2025-03-04T11:55:28.836+01:00  INFO 7896 --- [http-nio-8080-exec-3] c.s.HelloController              : An INFO Message
2025-03-04T11:55:28.836+01:00  WARN 7896 --- [http-nio-8080-exec-3] c.s.HelloController              : A WARN Message
2025-03-04T11:55:28.836+01:00 ERROR 7896 --- [http-nio-8080-exec-3] c.s.HelloController              : An ERROR Message
2025-03-04T11:55:28.843+01:00 DEBUG 7896 --- [http-nio-8080-exec-3] c.s.HelloController              : inside hello post method
```

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