Week 2

SLF4J logging framework_HandsOn

Exercise 1: Logging Error Messages and Warning Levels

Task: Write a Java application that demonstrates logging error messages and warning levels using SLF4J. Step-by-Step Solution: 1. Add SLF4J and Logback dependencies to your 'pom.xml' file: <dependency> <groupId>org.slf4j</groupId> <artifactId>slf4j-api</artifactId> <version>1.7.30</version> </dependency> <dependency> <groupId>ch.qos.logback <artifactId>logback-classic</artifactId> <version>1.2.3</version> </dependency> 2. Create a Java class that uses SLF4J for logging: import org.slf4j.Logger; import org.slf4j.LoggerFactory; public class LoggingExample { private static final Logger logger = LoggerFactory.getLogger(LoggingExample.class); public static void main(String[] args) { logger.error("This is an error message");

```
logger.warn("This is a warning message");
}}
CODE:
LoggingExample.java
package com.example;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
public class LoggingExample {
  private static final Logger logger =
LoggerFactory.getLogger(LoggingExample.class);
  public static void main(String[] args) {
    logger.error("This is an error message");
    logger.warn("This is a warning message");
OUTPUT:
```

public class LoggingExample {
 private static final Logger Logger = LoggerFactory.getLogger(LoggingExample.class);

■ X ¾ } ... > - - -

© Console X Ju JUnit <a href="https://documents.org/least-stateminated-LoggingExample [lawa Application] C\Ukers\shammath\,p2\poohplugin\org eclipse.justj.opu 18:05:14.903 [main] ERROR com.example.LoggingExample - This is an error message 18:05:14.907 [main] WADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example.LoggingExample - This is a warning message 18:05:14.907 [main] wADN com.example - This is a warning message 18:05:14.907 [main] wADN com.example - This is a warning wADN

package com.example;

■ JRE System Library [JavaSE-1.8] Maven Dependencies

8 99 public static void main(String[] args) []
100 Logger.error("This is a warning message");
11 Logger.warn("This is a warning message");
13 }
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