Name: Palanivel M

Superset ID: 6373179

Mail ID: [727822tuec135@skct.edu.in](mailto:727822tuec135@skct.edu.in)

# Week 2 Hands-On Exercise

**Logging using SLF4J**

**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</groupId>

<artifactId>logback-classic</artifactId>

<version>1.2.3</version> </dependency>

1. 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:

