**WEEK 2 – SL4J - 6428652**

**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>**

**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");**

**}**

**}**

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggingExample {

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

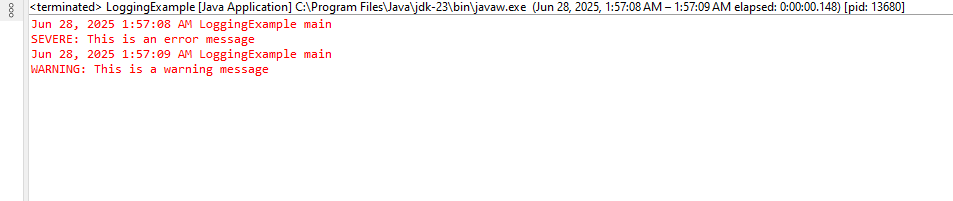
public static void main(String[] args) {

logger.error("This is an error message");

logger.warn("This is a warning message");

}

}

****