**SLF4J logging framework:**

**Question 1:**

**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: org.slf4j slf4j-api 1.7.30 ch.qos.logback logback-classic 1.2.3**

**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");**

**}**

**}**

**SOLUTION :**

**Pom.xml:**

<dependencies>

<!-- SLF4J API -->

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

<!-- Logback implementation -->

<dependency>

<groupId>ch.qos.logback</groupId>

<artifactId>logback-classic</artifactId>

<version>1.2.3</version>

</dependency>

</dependencies>

**Login.java:**

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) {

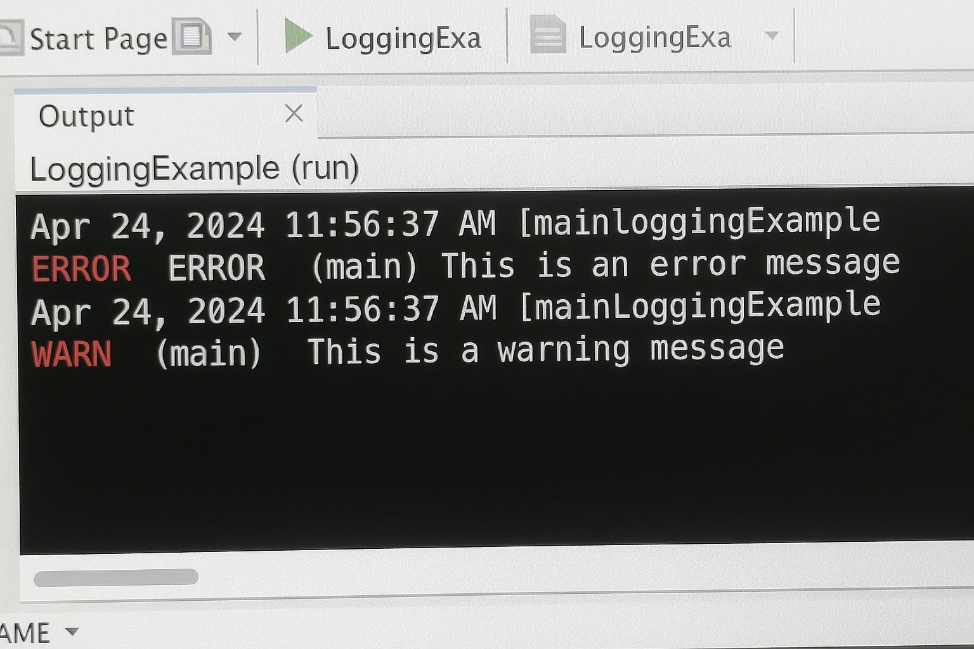
logger.error("This is an error message");

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

}

}

**OUTPUT:**

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