**Exercise 1: Logging Error Messages and Warning Levels**

**Task:** Write a Java application that demonstrates logging error messages and warning levels using SLF4J.

**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");

}

}

*Pom.xml –*

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>slf4j-demo</artifactId>

<version>0.0.1-SNAPSHOT</version>

<dependencies>

<!-- SLF4J API -->

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

<!-- Logback (SLF4J binding) -->

<dependency>

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

<artifactId>logback-classic</artifactId>

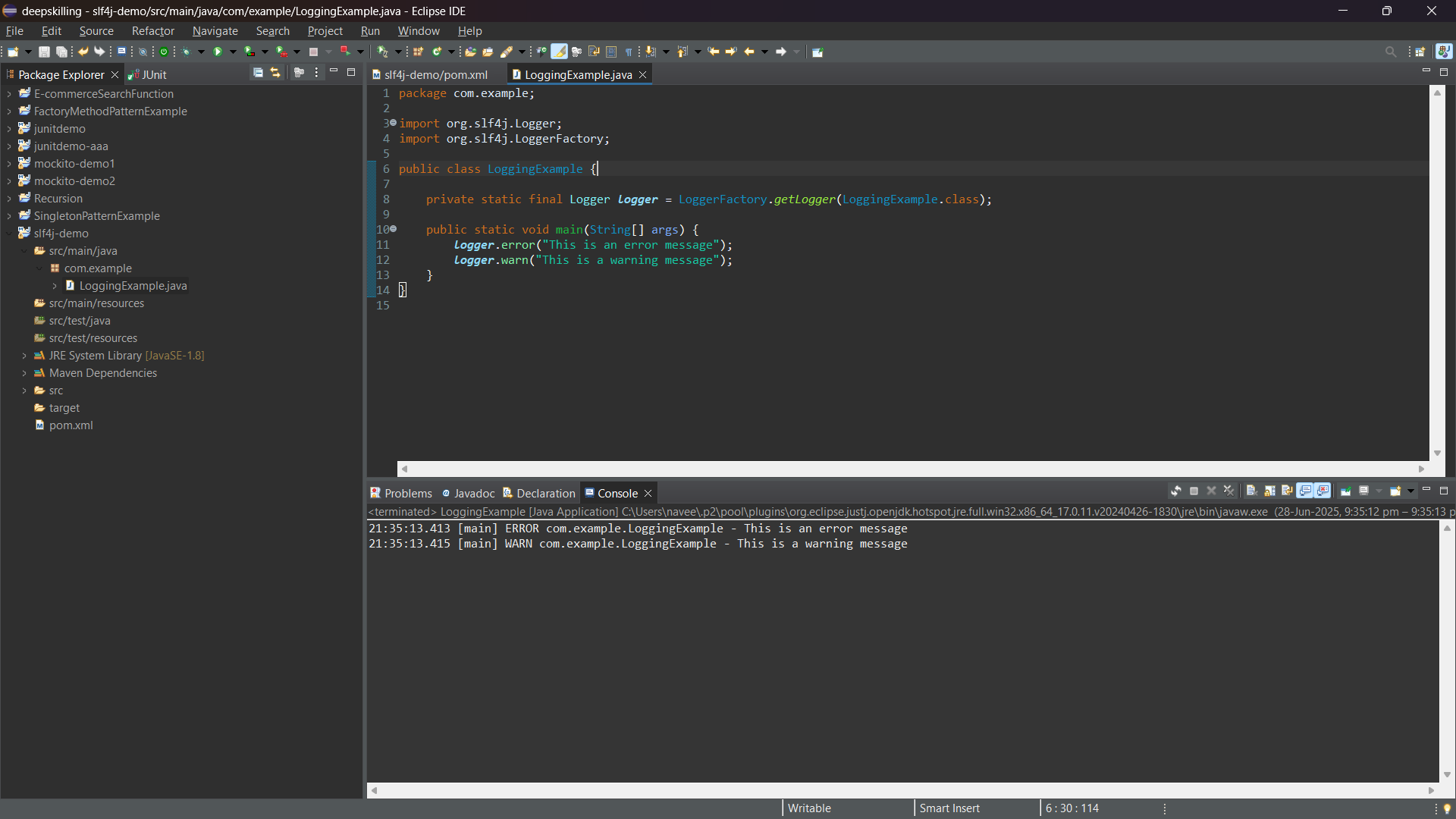
<version>1.2.3</version>

</dependency>

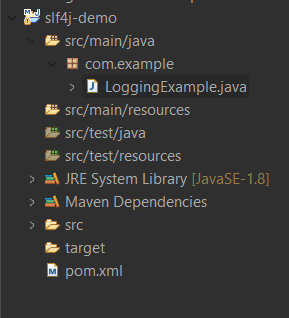
</dependencies>

</project>

**Output: (Screenshots)**



**Project Structure-**

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