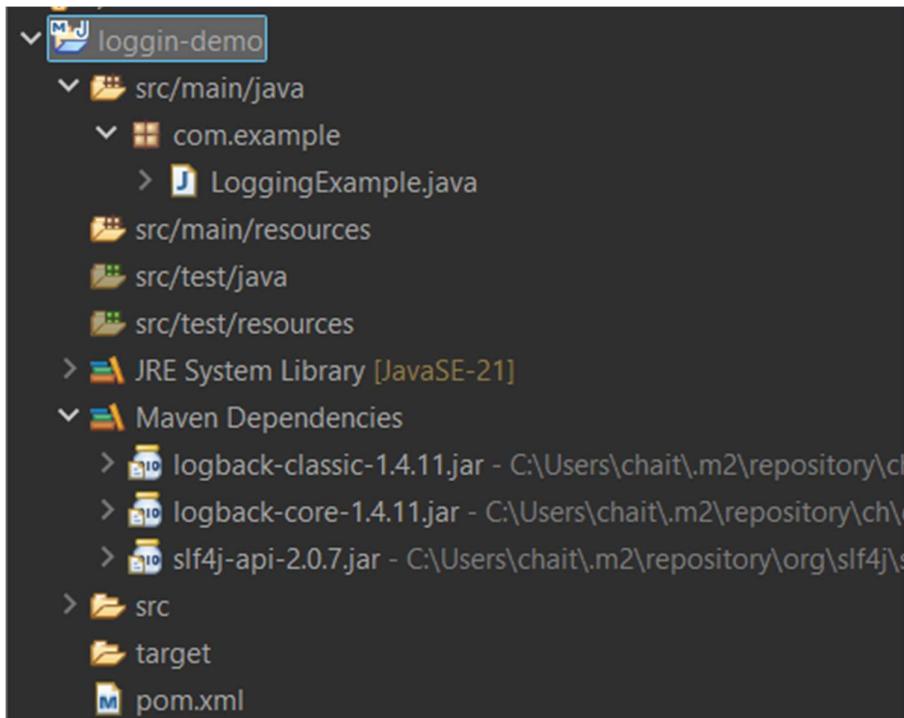


Logging Example using SLF4J

Objective:

Demonstrate logging of **error** and **warning** level messages using **SLF4J** in a Java application.

File Struture :



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");
    }
}
```

pox.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
  http://maven.apache.org/xsd/maven-4.0.0.xsd">

  <modelVersion>4.0.0</modelVersion>

  <groupId>com.example</groupId>
  <artifactId>logging-demo</artifactId>
  <version>1.0.0</version>

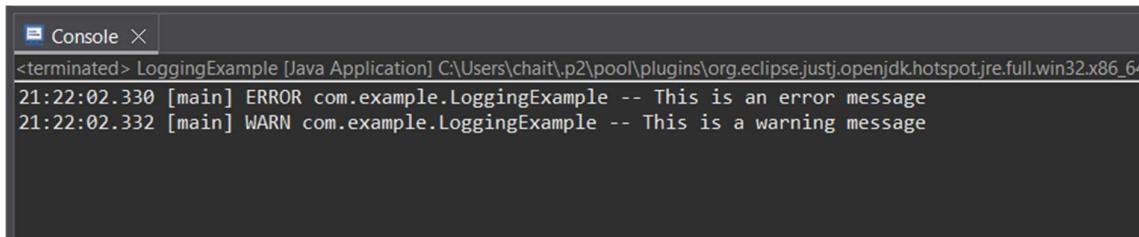
  <!-- Java version -->
  <properties>
    <maven.compiler.source>21</maven.compiler.source>
    <maven.compiler.target>21</maven.compiler.target>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  </properties>

  <dependencies>
    <!-- SLF4J API -->
    <dependency>
      <groupId>org.slf4j</groupId>
      <artifactId>slf4j-api</artifactId>
      <version>2.0.7</version>
    </dependency>

    <!-- Logback as the SLF4J implementation -->
    <dependency>
      <groupId>ch.qos.logback</groupId>
      <artifactId>logback-classic</artifactId>
      <version>1.4.11</version>
    </dependency>
  </dependencies>

</project>
```

OUTPUT :



The screenshot shows the Eclipse IDE's Console view. The title bar says "Console X". The content area displays the following log output:

```
<terminated> LoggingExample [Java Application] C:\Users\chait\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64
21:22:02.330 [main] ERROR com.example.LoggingExample -- This is an error message
21:22:02.332 [main] WARN com.example.LoggingExample -- This is a warning message
```