**Logging using SLF4J**

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

**Pom.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<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.slf4j</groupId>

<artifactId>SLF4J1</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>SLF4J1</name>

<description>A simple SLF4J1.</description>

<!-- FIXME change it to the project's website -->

<url>http://www.example.com</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.source>8</maven.compiler.source>

<maven.compiler.target>8</maven.compiler.target>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

</dependency>

<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>

</dependencies>

<build>

<pluginManagement><!-- lock down plugins versions to avoid using Maven defaults (may be moved to parent pom) -->

<plugins>

<plugin>

<artifactId>maven-clean-plugin</artifactId>

<version>3.4.0</version>

</plugin>

<plugin>

<artifactId>maven-site-plugin</artifactId>

<version>3.12.1</version>

</plugin>

<plugin>

<artifactId>maven-project-info-reports-plugin</artifactId>

<version>3.6.1</version>

</plugin>

<!-- see http://maven.apache.org/ref/current/maven-core/default-bindings.html#Plugin\_bindings\_for\_jar\_packaging -->

<plugin>

<artifactId>maven-resources-plugin</artifactId>

<version>3.3.1</version>

</plugin>

<plugin>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.13.0</version>

</plugin>

<plugin>

<artifactId>maven-surefire-plugin</artifactId>

<version>3.3.0</version>

</plugin>

<plugin>

<artifactId>maven-jar-plugin</artifactId>

<version>3.4.2</version>

</plugin>

<plugin>

<artifactId>maven-install-plugin</artifactId>

<version>3.1.2</version>

</plugin>

<plugin>

<artifactId>maven-deploy-plugin</artifactId>

<version>3.1.2</version>

</plugin>

</plugins>

</pluginManagement>

</build>

<reporting>

<plugins>

<plugin>

<artifactId>maven-project-info-reports-plugin</artifactId>

</plugin>

</plugins>

</reporting>

</project>

**LoggingExample.java:**

package com.slf4j.SLF4J1;

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:**

