* **LOGGING USING SLF4J**

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

**Project Name : LoggingApp**

**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

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

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>LoggingExample</artifactId>

<version>1.0-SNAPSHOT</version>

<name>SLF4J Logging Example</name>

<dependencies>

<!-- SLF4J API -->

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

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

<dependency>

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

<artifactId>logback-classic</artifactId>

<version>1.2.3</version>

</dependency>

</dependencies>

</project>

**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.trace("TRACE level log message");

logger.debug("DEBUG level log message");

logger.info("INFO level log message");

logger.warn("WARN level log message");

logger.error("ERROR level log message");

}

}

**OUTPUT**

