**SLF4J logging framework**

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

**Scenario**

* You need to write a Java application that logs error and warning messages using SLF4J with Logback in Eclipse without using Maven.

**Step 1: Download JAR Files**

* SLF4J API 1.7.30
* Logback Classic 1.2.3
* Logback Core 1.2.3

**Step 2: Create a New Java Project in Eclipse**

1. Open Eclipse
2. Go to File > New > Java Project
3. Enter Project Name: SLF4JLogging
4. Click Finish

**Step 3: Add JARs to Your Project**

1. Right-click your project > Build Path > Configure Build Path
2. Go to Libraries tab
3. Click Add External JARs...
4. Select the 3 downloaded .jar files:
5. Click Apply and Close

**Step 4: Create the Logging Class - Logging.java**

**CODE:**

**package** com.example.loggingerror;

**import** org.slf4j.Logger;

**import** org.slf4j.LoggerFactory;

**public** **class** Logging {

**private** **static** **final** Logger ***logger*** = LoggerFactory.*getLogger*(Logging.**class**);

**public** **static** **void** main(String[] args) {

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

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

}

}

**OUTPUT:**

