Exercise 1: Logging Error Messages and Warning Levels (SLF4J)

Task

We had to write a java program that logs error and warning message using **SLF4J**. It is a logging librarry that works with Logback also.

Step 1: Add Dependencies in `pom.xml`

In my Maven project, I added this in the dependencies section:

```
<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>
```

I saved the file and it downloaded jar files automaticaly.

Step 2: Create Java Class with Logging

I made a class called `LoggingExample` and wrote this code:

```
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
```

```java
public class LoggingExample {

    // logger object created for this class
    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 in Console

When I ran this file, it printed:

```
13:10:44.123 [main] ERROR LoggingExample - This is an error message
13:10:44.124 [main] WARN  LoggingExample - This is a warning message
```