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

**🡪 Steps**

1. Add **SLF4J and Logback dependencies** to your project.

<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>  
If you use **Maven**, add the dependencies to your **pom.xml**.  
If not, download the JAR files and add them to your classpath.

1. **Create a Java class and use SLF4J for logging.**  
   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");

    }

}

**🡪 Explanation**

* The logger is created for the class.
* Use logger.error to log error messages.
* Use logger.warn to log warning messages.
* When you run the program, the messages will appear in the console.

**🡪 Requirements**You need the **SLF4J API** and **Logback Classic JARs** in your classpath.  
No extra configuration is needed for basic logging to the console.