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

**Task:** Write a Java application that demonstrates logging error messages and warning levels using SLF4J.

**Step-by-Step Solution:**

1. Add SLF4J and Logback dependencies to your `pom.xml` file:

2. Create a Java class that uses SLF4J for logging:

**LoggingExample.java**

package logslf4j.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");

    } }

**Output:**

