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:

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");

} }

Solution:

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggingExample {

// Create a logger object

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

public static void main(String[] args) {

// Log an error message

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

// Log a warning message

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

}

}

Output:

ERROR LoggingExample - This is an error message

WARN LoggingExample - This is a warning message