***EXERCISE 1: LOGGING ERROR MESSAGES AND WARNING LEVELS***

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

**XML**

<dependencies>

<!-- SLF4J API -->

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

**JAVA**

<!-- Logback Classic (SLF4J Implementation) -->

<dependency>

<groupId>ch.qos.logback</groupId>

<artifactId>logback-classic</artifactId>

<version>1.2.3</version>

</dependency>

</dependencies>

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggingExample {

// Logger object bound to this class

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");

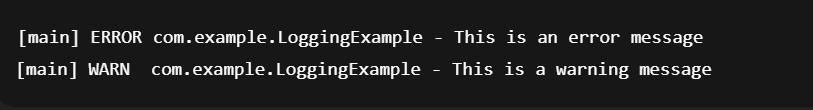
// Log a warning message

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

}

}

**OUTPUT**

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