**SLF4J logging framework**

**Exercise 1: Logging Error Messages and Warning Levels Task:** {Hands on}

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

**Code:**

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) {

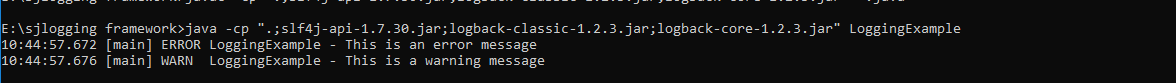
        logger.error("This is an error message");

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

    }

}

**Output:**



**Exercise 2: Parameterized Logging Task:**

**Write a Java application that demonstrates parameterized logging using SLF4J**

**Code:**

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class ParameterizedLoggingExample {

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

    public static void main(String[] args) {

        String user = "Aathithiyaa";

        int attempts = 5;

        logger.info("User {} has attempted {} logins", user, attempts);

    }

}

**Output:**



**Exercise 3: Using Different Appenders Task:**

**Write a Java application that demonstrates using different appenders with SLF4J**

**Code:**

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class AppenderLoggingExample {

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

    public static void main(String[] args) {

        logger.debug("Debug message - will go to console and file");

        logger.info("Info message - logged in both appenders");

        logger.warn("Warning message - logged in both appenders");

    }

}

**Output:**

