**Logging using SLF4J**

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

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) {

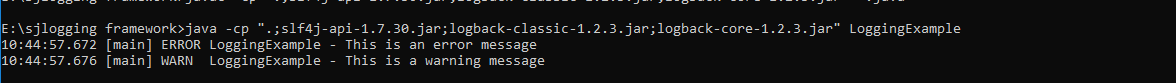
        logger.error("This is an error message");

        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:**

