**Write Log File Using Log4j**

**1. Adding dependencies to pom.xml**

<dependency>

<groupId>org.apache.logging.log4j</groupId>

<artifactId>log4j-api</artifactId>

<version>2.14.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.apache.logging.log4j/log4j-core -->

<dependency>

<groupId>org.apache.logging.log4j</groupId>

<artifactId>log4j-core</artifactId>

<version>2.14.1</version>

</dependency>

**2. Adding log4j.properties file into src/main/resource folder**

name=PropertiesConfig

property.filename=logs

appenders = console,file

appender.console.type = Console

appender.console.name = STDOUT

appender.console.layout.type = PatternLayout

appender.console.layout.pattern=[%-5level] %d{yyyy-MM-dd HH:mm:ss.SSS} [%t] %c**{1}** - %msg%n

appender.file.type = File

appender.file.name = LOGFILE

appender.file.fileName=${filename}/Mylogs.log

appender.file.layout.type=PatternLayout

appender.file.layout.pattern=[%-5level] %d{yyyy-MM-dd HH:mm:ss.SSS} [%t] %c**{1}** - %msg%n

loggers=file

logger.file.name=logspractice

logger.file.level = debug

logger.file.appenderRefs = file

logger.file.appenderRef.file.ref = LOGFILE

rootLogger.level = debug

rootLogger.appenderRefs = stdout

rootLogger.appenderRef.stdout.ref = STDOUT

**3. Source Code**

**package** RestAssuredScripts;

**import** org.testng.annotations.Test;

**import** org.apache.logging.log4j.LogManager;

**import** org.apache.logging.log4j.Logger;

**public** **class** Log4jDemo {

Logger logger = LogManager.*getLogger*(LessonEndProject.**class**);

@Test

**public** **void** method1()

{

System.***out***.println("this is method1");

logger.trace(" This is trace method");

logger.info(" this is information message");

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

logger.fatal(" this is a fatal messgae");

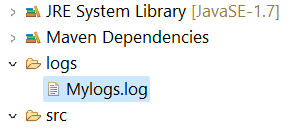
logger.warn(" this is a warning message");

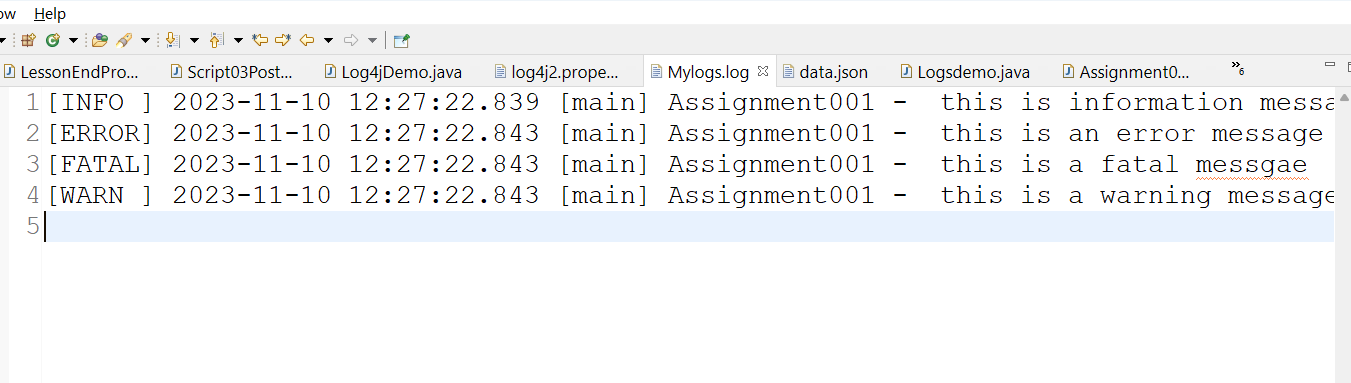
System.***out***.println("this is end of method1");

}

}

**Output:**

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