**Set up the log4j 2 library**-needs to be done once for all the projects in your workspace.

 Type “user” into Quick Access and select the *User/Libraries Java Build Path* option under preferences.

 Click the *New…* button on the right

 In the *User library name:* text box provide a name like ***log4j 2***

 Highlight the newly added name and click the *Add External JARS…* button

 In the resulting dialog select the *log4j-api-2.0\*.jar* and the log4j-core-2.0\*.jar  files . Click the Open button to select the files and close the dialog.

 Click OK .

## Add the Library to the ClassPath for your project

## Right Click on your Project and Select Properties… to launch the Properties for your project

1. Select the Java Build Path Item and Select the Libraries tab
2. Click the Add Library… button
3. Select User Library and click on Next
4. Select the log4j library and click on Finish

## Set up a configuration file

## want to create a configuration file for each project but you could share one across multiple projects.

1. Create a new folder in your project at the root level by right-clicking on your project and select New->Folder...(name it log4j2..or your choice)
2. Create a new file by right-clicking on the folder you just created and click New->File. Name this file something like **log4j2.xml.**
3. Bellow code write in xml file.

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<Configuration>

<Appenders>

<File name=*"FileLogger"* fileName=*"Qumram.log"* append=*"false"*>

<PatternLayout pattern=*"%d %t %-5p %c{2} - %m%n"*/>

</File>

<Console name=*"Console"* target=*"SYSTEM\_OUT"*>

<PatternLayout pattern=*"[%-5level] %d{yyyy-MM-dd HH:mm:ss.SSS} [%t] %c{1} - %msg%n"*/>

</Console>

</Appenders>

<Loggers>

<Logger name=*"lib/record/testshop"* level=*"All"* additivity=*"false"*>

<AppenderRef ref=*"FileLogger"*/>

</Logger>

<Logger name=*"lib/replay/testshop"* level=*"All"*>

<AppenderRef ref=*"FileLogger"*/>

</Logger>

<Logger name=*"lib/common"* level=*"All"*>

<AppenderRef ref=*"FileLogger"*/>

</Logger>

<Logger name=*"test/testshop"* level=*"All"*>

<AppenderRef ref=*"FileLogger"*/>

</Logger>

<Logger name=*"verification/replay"* level=*"All"*>

<AppenderRef ref=*"FileLogger"*/>

</Logger>

<Root level=*"All"*>

<AppenderRef ref=*"FileLogger"*/>

</Root>

</Loggers>

</Configuration>

## Set up your Run Configuration

From the Run menu select Run Configurations… In the dialog switch to the **Classpath** tab and follow these steps .

1. Select the User Entries.
2. Click the Advanced… button.
3. In the resulting dialog select the Add Folders radio button.
4. Click OK.
5. This will launch a dialog allowing you to select a folder from your workspace; open up the current project.
6. Select the Log4j2 folder you created.
7. Click the OK button and close any dialogs just opened.

## Modify Your Code

1.Add imports for both the logger and logger manager:

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

2. create a static member at the class level using this

private static final Logger logger= LogManager.getLogger(CurrentClassName.class .getName());

1. logger.trace(), logger.debug(), methods likes this you can use

Reference Link- http://syncor.blogspot.in/2013/09/getting-started-with-log4j-2-in-eclipse.html