**Printing logs into different files for different packages:**

If we have two files in two different packages, we

**package1/First.java file**

**package** package1;

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

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

**public** **class** logtest {

**private** **static** Logger *log* = LogManager.*getLogger*(logtest.**class**.getName());

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

*log*.debug("This is debug message");

*log*.info("This is info message");

*log*.error("This is error message");

*log*.fatal("This is fatal message");

}

}

**package2/First.java file**

**package** package1;

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

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

**public** **class** logtest {

**private** **static** Logger *log* = LogManager.*getLogger*(logtest.**class**.getName());

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

*log*.debug("This is debug message");

*log*.info("This is info message");

*log*.error("This is error message");

*log*.fatal("This is fatal message");

}

}

**XML File:**

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

<Configuration status=*"WARN"*>

<Properties>

<Property name=*"basePath"*>./logs</Property>

</Properties>

<Appenders>

<RollingFile name=*"package1logs"* fileName=*"${basePath}/package1\_output.log"* filePattern=*"${basePath}/package1\_output-%d{MM-dd-yy-HH-mm-ss}.log"*>

<PatternLayout pattern=*"%d{HH:mm:ss.SSS} [%t] %-5level %logger{36} - %msg%n"*/>

<SizeBasedTriggeringPolicy size=*"500"* />

</RollingFile>

<RollingFile name=*"package2logs"* fileName=*"${basePath}/package2\_output.log"* filePattern=*"${basePath}/package2\_output-%d{MM-dd-yy-HH-mm-ss}.log"*>

<PatternLayout pattern=*"%d{HH:mm:ss.SSS} [%t] %-5level %logger{36} - %msg%n"*/>

<SizeBasedTriggeringPolicy size=*"500"* />

</RollingFile>

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

<PatternLayout pattern=*"%d{HH:mm:ss.SSS} [%t] %-5level %logger{36} - %msg%n"*/>

</Console>

</Appenders>

<Loggers>

<logger name=*"package1.First"* level=*"error"* additivity=*"false"*>

<AppenderRef ref=*"package1logs"*/>

</logger>

<logger name=*"package2.First"* level=*"trace"* additivity=*"false"*>

<AppenderRef ref=*"package2logs"*/>

</logger>

<Root level=*"trace"*>

<AppenderRef ref=*"Console"*/>

</Root>

</Loggers>

</Configuration>