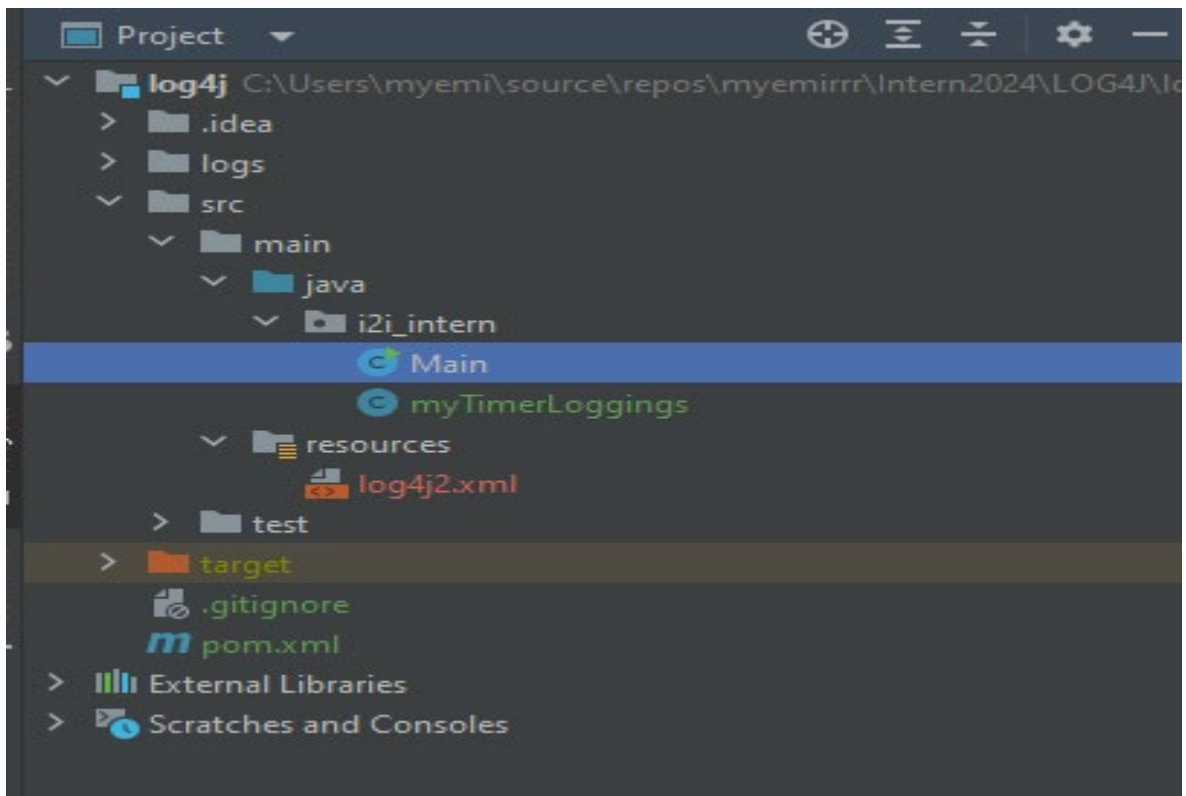




Mustafa Yasin Emir

Log4J Homework-1



File Structure

```
package i2i_intern;
import java.time.LocalDateTime;
import java.time.ZoneId;

public class Main { new"

    public static void main(String[] args) { new"
        myTimerLoggings logger = new myTimerLoggings();
        LocalDateTime previousTime = LocalDateTime.now(ZoneId.of( zoneId: "Europe/Istanbul"));

        for (int i = 0; i < 18000; i++) {
            LocalDateTime currentTime = LocalDateTime.now(ZoneId.of( zoneId: "Europe/Istanbul"));

            logger.debug(String.format("%02d:%02d:%02d", currentTime.getHour(), currentTime.getMinute(), currentTime.getSecond()));

            if (currentTime.getMinute() != previousTime.getMinute()) {
                logger.info(String.format("%02d:%02d:%02d", currentTime.getHour(), currentTime.getMinute(), currentTime.getSecond()));
            }

            if (currentTime.getHour() != previousTime.getHour()) {
                logger.error(String.format("%02d:%02d:%02d", currentTime.getHour(), currentTime.getMinute(), currentTime.getSecond()));
            }

            try {
                Thread.sleep( millis: 1000);
            } catch (InterruptedException e) {
                e.printStackTrace();
            }

            previousTime = currentTime;
        }
    }
}
```

Main Class and Method

```

package i2i_intern;

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

public class myTimerLoggings { 356 usages new *
    private final Logger logger; 4 usages

    public myTimerLoggings() { 354 usages new *
        logger = LogManager.getLogger(myTimerLoggings.class);
    }

    public void debug(String message) { 1 usage new *
        this.logger.debug(message);
        //System.out.println("DEBUG: " + message);
    }

    public void info(String message) { 1 usage new *
        this.logger.info(message);
        //System.out.println("INFO: " + message);
    }

    public void error(String message) { 1 usage new *
        this.logger.error(message);
        //System.out.println("ERROR: " + message);
    }
}

```

myTimerLoggings Class

```

<?xml version="1.0" encoding="UTF-8"?>
<Configuration status="WARN">
    <Properties>
        <!--> Log dosyalarını logs klasörü altında topluyorum<-->
        <Property name="filename">C:\Users\myemi\source\repos\myemirrr\Intern2024\L064J\log4j\logs</Property>
    </Properties>
    <Appenders>
        <!-->Dinamik olarak log file name verme<-->
        <RollingFile name="RollingFileAppender"
            fileName="${filename}/${date:HH-mm-dd-MM-yy}.log"
            filePattern="${filename}/timer-%d{dd-MM-yy}-%i.log">
            <PatternLayout>
                <pattern>%d{yyyy-MM-dd HH:mm:ss} %-5level %logger{36} - %msg%n</pattern>
            </PatternLayout>
            <!-->Trigger policies ile size ve silinme zamanı ayarlama<-->
            <Policies>
                <TimeBasedTriggeringPolicy interval="1" modulate="true" />
                <SizeBasedTriggeringPolicy size="1 KB" />
            </Policies>
        </RollingFile>
        <Console name="Console" target="SYSTEM_OUT">
            <PatternLayout pattern="%d{HH:mm:ss.SSS} [%t] %-5level %logger{36} - %msg%n"/>
        </Console>
    </Appenders>
    <Loggers>
        <Root level="trace">
            <AppenderRef ref="Console"/>
            <AppenderRef ref="RollingFileAppender"/>
        </Root>
    </Loggers>
</Configuration>

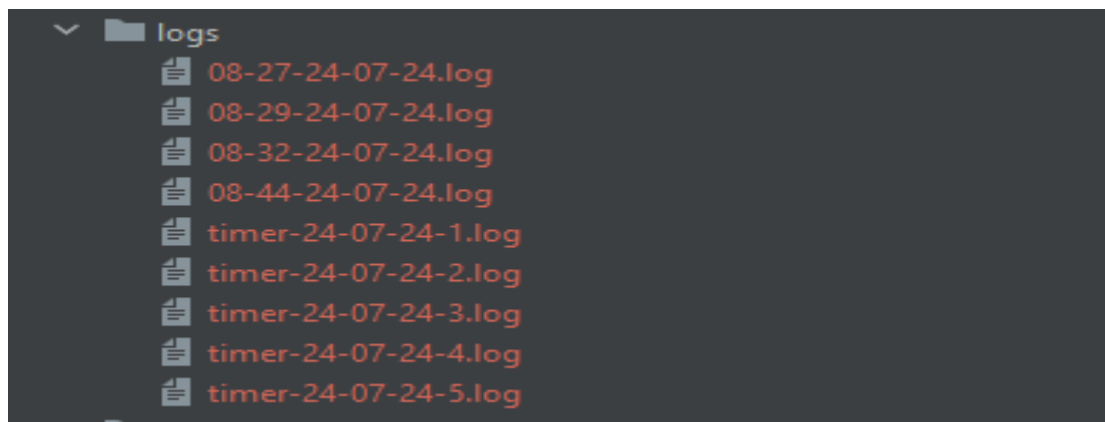
```

Log4J Config File

resources → log4j2.xml

```
08:45:00.206 [main] INFO i2i_intern.myTimerLoggings - 08:45:00
08:45:01.208 [main] DEBUG i2i_intern.myTimerLoggings - 08:45:01
08:45:02.210 [main] DEBUG i2i_intern.myTimerLoggings - 08:45:02
08:45:03.219 [main] DEBUG i2i_intern.myTimerLoggings - 08:45:03
08:45:04.223 [main] DEBUG i2i_intern.myTimerLoggings - 08:45:04
08:45:05.227 [main] DEBUG i2i_intern.myTimerLoggings - 08:45:05
08:45:06.228 [main] DEBUG i2i_intern.myTimerLoggings - 08:45:06
08:45:07.230 [main] DEBUG i2i_intern.myTimerLoggings - 08:45:07
08:45:08.232 [main] DEBUG i2i_intern.myTimerLoggings - 08:45:08
```

Console Output



File Output