**CODE:**

package com.example.logging;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class AppendersExample {

private static final Logger logger = LoggerFactory.getLogger(AppendersExample.class);

public static void main(String[] args) {

logger.debug("Debug message - for developers");

logger.info("Info message - general information");

logger.warn("Warning message - something to look at");

logger.error("Error message - something went wrong");

}

}

<configuration>

<appender name="console" class="ch.qos.logback.core.ConsoleAppender">

<encoder>

<pattern>%d{HH:mm:ss.SSS} [%thread] %-5level %logger{36} - %msg%n</pattern>

</encoder>

</appender>

<appender name="file" class="ch.qos.logback.core.FileAppender">

<!-- ✅ logs folder created manually -->

<file>logs/app.log</file>

<append>true</append>

<encoder>

<pattern>%d{HH:mm:ss.SSS} [%thread] %-5level %logger{36} - %msg%n</pattern>

</encoder>

</appender>

<root level="debug">

<appender-ref ref="console" />

<appender-ref ref="file" />

</root>

</configuration>

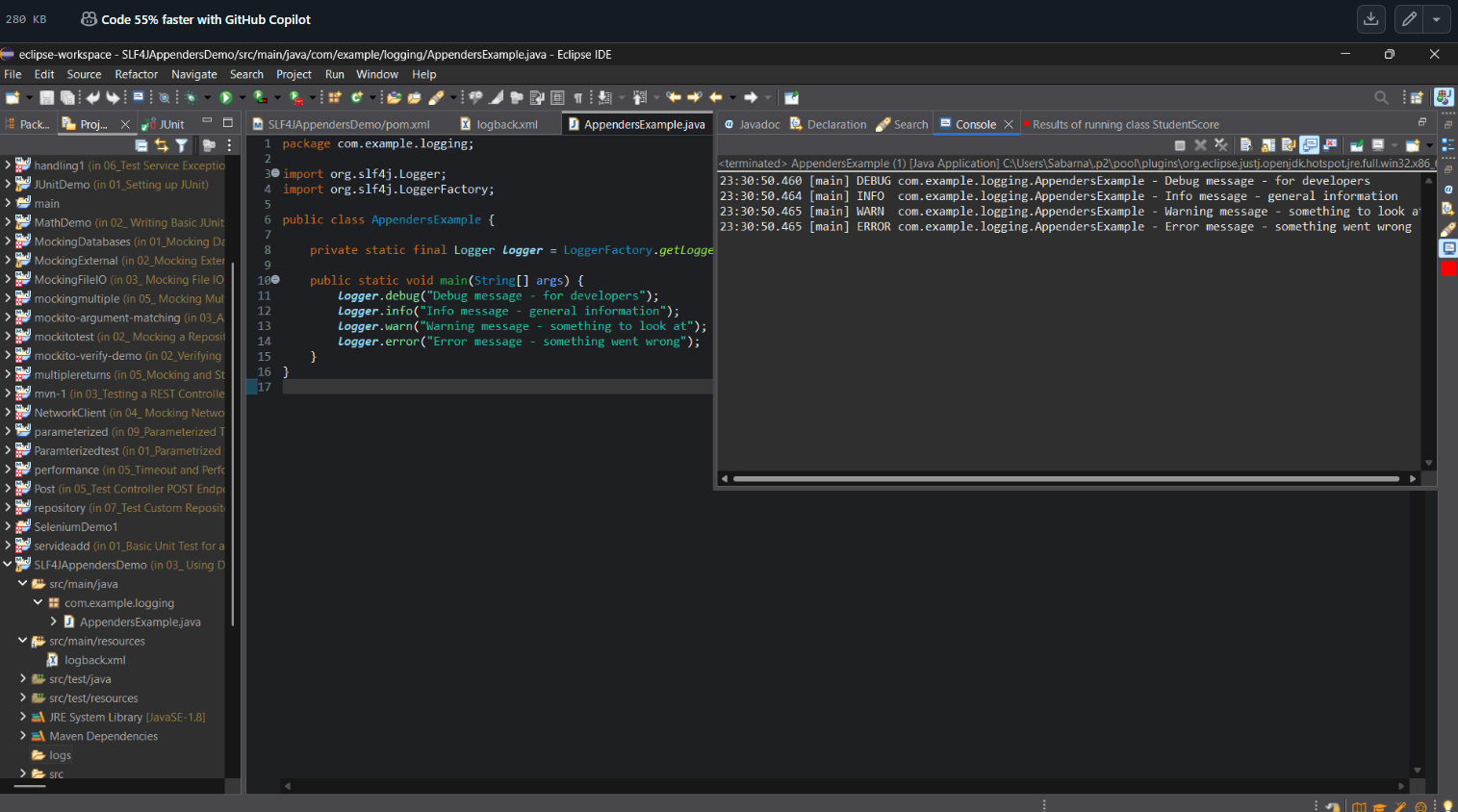
23:30:50.460 [main] DEBUG com.example.logging.AppendersExample - Debug message - for developers

23:30:50.464 [main] INFO com.example.logging.AppendersExample - Info message - general information

23:30:50.465 [main] WARN com.example.logging.AppendersExample - Warning message - something to look at

23:30:50.465 [main] ERROR com.example.logging.AppendersExample - Error message - something went wrong

**OUTPUT:**

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