**CODE:**

package com.example.logging;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class ExceptionLoggingExample {

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

public static void main(String[] args) {

logger.info("Starting the exception logging example...");

try {

int result = divide(10, 0); // This will cause ArithmeticException

logger.info("Result: {}", result);

} catch (ArithmeticException e) {

logger.error("An error occurred during division", e); // Logging with stack trace

}

logger.info("Program finished.");

}

public static int divide(int a, int b) {

return a / b;

}

}

<configuration>

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

<encoder>

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

</encoder>

</appender>

<root level="debug">

<appender-ref ref="STDOUT" />

</root>

</configuration>

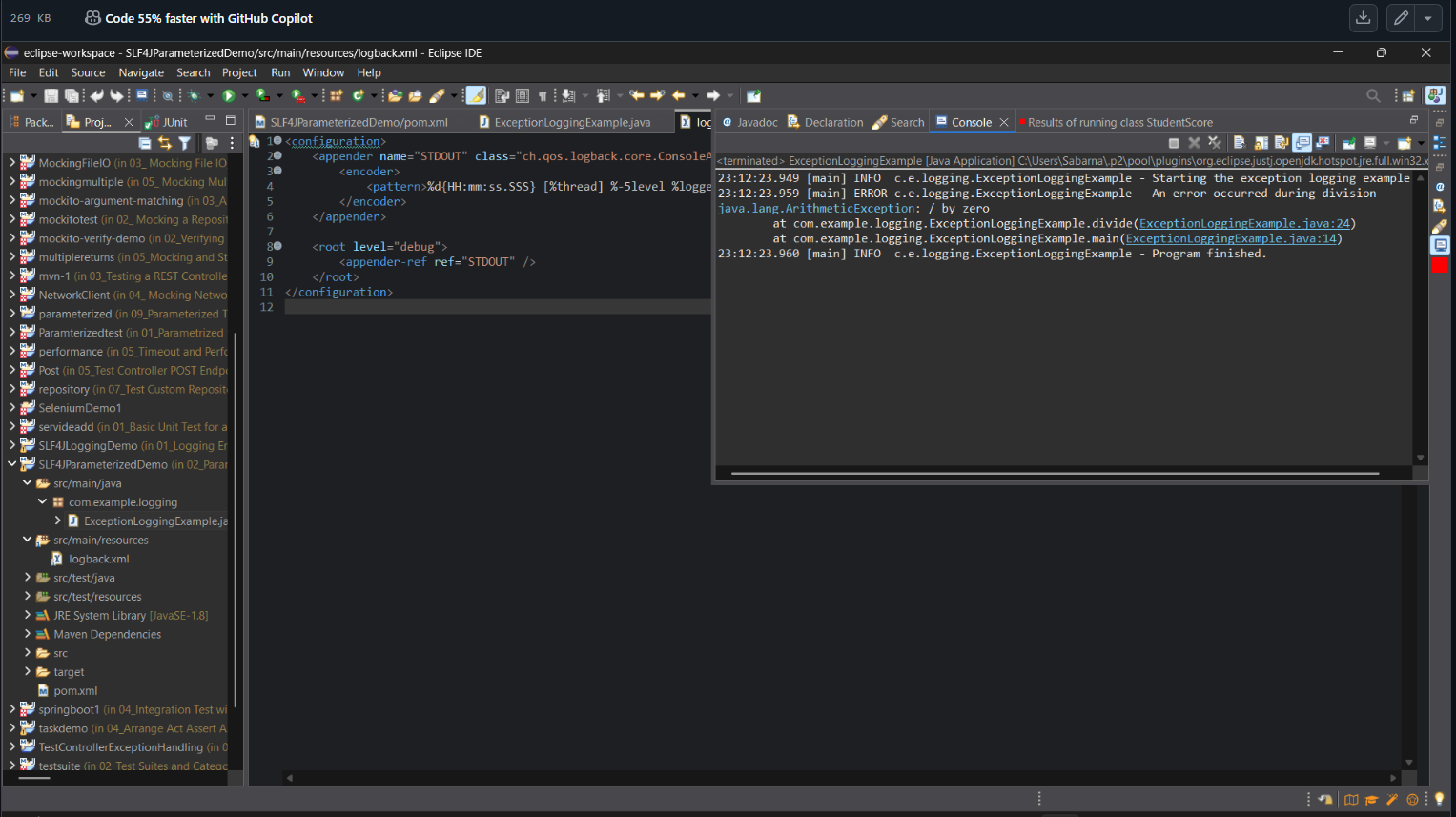
activeProfiles=

eclipse.preferences.version=1

resolveWorkspaceProjects=true

version=1

**OUTPUT:**

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