File1:

<dependencies>

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

<dependency>

<groupId>ch.qos.logback</groupId>

<artifactId>logback-classic</artifactId>

<version>1.2.3</version>

</dependency>

</dependencies>

File2:

package com.example;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class ParameterizedLoggingExample {

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

public static void main(String[] args) {

String username = "john\_doe";

int attempts = 5;

// Parameterized logging

logger.info("User {} has logged in", username);

logger.warn("User {} has attempted login {} times", username, attempts);

// Avoid this (bad practice)

logger.info("User " + username + " has logged in"); // inefficient

}

}

File3:

<configuration>

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

<encoder>

<pattern>%d{HH:mm:ss} %-5level %logger{36} - %msg%n</pattern>

</encoder>

</appender>

<root level="info">

<appender-ref ref="STDOUT" />

</root>

</configuration>

Output:

**A screenshot of a computer

AI-generated content may be incorrect.**