**Logging Error message and warning**

package com.example.demo;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggerExample {

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

public static void main(String[] args) {

***logger***.error("This is an error message");

***logger***.warn("This is a warning message");

}

}

A screen shot of a computer

AI-generated content may be incorrect.

package com.example.demo;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggerExample {

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

public static void main(String[] args) {

***logger***.debug("Debug message - useful for debugging");

***logger***.info("Info message - application running");

***logger***.warn("Warning message - potential problem");

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

}

}

A screenshot of a computer program

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Exercise 2:

Parameterized logging

package com.example.demo;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class ParameterizedLog {

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

public static void main(String[] args) {

String username = "alice";

int userId = 42;

String ipAddress = "192.168.1.100";

***logger***.info("User {} with ID {} logged in from IP {}", username, userId, ipAddress);

***logger***.warn("User {} is attempting suspicious activity from {}", username, ipAddress);

***logger***.error("Error while processing user {}", userId);

}

}

A screen shot of a computer

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