**Exercise 2: Parameterized Logging**

**ParameterizedLoggingExample.java**

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 user = "Alice";

        int attempts = 3;

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

        logger.warn("User {} has made {} unsuccessful login attempts.", user, attempts);

        logger.error("Login failed for user {} after {} attempts.", user, attempts);

    }

}

Output:

