## Exercise 2: Parameterized Logging

Code Example

java

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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 = 3;

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

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

logger.error("Failed login attempt for user: {}", username);

}

}

## Exercise 3: Using Different Appenders

## Code Example

java

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import org.slf4j.Logger;import org.slf4j.LoggerFactory;

public class AppenderExample {

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

public static void main(String[] args) {

logger.debug("This is a debug message logged to both console and file.");

logger.info("This is an info message logged to both console and file.");

logger.warn("This is a warning message logged to both console and file.");

logger.error("This is an error message logged to both console and file.");

}

}