**Exercise 1: Logging Error Messages and Warning Levels**

**Code:**

package com.example;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggingExample {

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

    public static void main(String[] args) {

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

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

    }

}

<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>

**Output:**

A black background with white text

AI-generated content may be incorrect.