Exercise 1: Logging Error Messages and Warning Levels

LoggingExample.java

<!--suppress ALL -->  
<project xmlns="http://maven.apache.org/POM/4.0.0"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0  
 http://maven.apache.org/xsd/maven-4.0.0.xsd">  
  
 <modelVersion>4.0.0</modelVersion>  
  
 <groupId>com.example</groupId>  
 <artifactId>LoggingExample</artifactId>  
 <version>1.0-SNAPSHOT</version>  
  
 <properties>  
 <maven.compiler.source>1.8</maven.compiler.source> <!-- or use 17 if you're using Java 17 -->  
 <maven.compiler.target>1.8</maven.compiler.target>  
 </properties>  
  
 <dependencies>  
 <!-- SLF4J API -->  
 <dependency>  
 <groupId>org.slf4j</groupId>  
 <artifactId>slf4j-api</artifactId>  
 <version>1.7.30</version>  
 </dependency>  
  
 <!-- Logback (SLF4J implementation) -->  
 <dependency>  
 <groupId>ch.qos.logback</groupId>  
 <artifactId>logback-classic</artifactId>  
 <version>1.5.13</version>  
 </dependency>  
 </dependencies>  
</project>

**Pom.xml**

<!--suppress ALL -->  
<project xmlns="http://maven.apache.org/POM/4.0.0"  
 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0  
 http://maven.apache.org/xsd/maven-4.0.0.xsd">  
  
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 <groupId>com.example</groupId>  
 <artifactId>LoggingExample</artifactId>  
 <version>1.0-SNAPSHOT</version>  
  
 <properties>  
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 <artifactId>slf4j-api</artifactId>  
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 </dependency>  
  
 <!-- Logback (SLF4J implementation) -->  
 <dependency>  
 <groupId>ch.qos.logback</groupId>  
 <artifactId>logback-classic</artifactId>  
 <version>1.5.13</version>  
 </dependency>  
 </dependencies>  
</project>

**Logback.xml**

<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 screenshot of a computer program

AI-generated content may be incorrect.**