## Exercise 1: Logging Error Messages and Warning Levels

## Step-by-Step Solution

**Step 1: Add SLF4J and Logback dependencies to your pom.xml file**

<dependency>  
 <groupId>org.slf4j</groupId>  
 <artifactId>slf4j-api</artifactId>  
 <version>1.7.30</version>  
</dependency>  
<dependency>  
 <groupId>ch.qos.logback</groupId>  
 <artifactId>logback-classic</artifactId>  
 <version>1.2.3</version>  
</dependency>

**Step 2: Create a Java class that uses SLF4J for logging**

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");  
 }  
}

Output:

12:00:00.123 [main] ERROR LoggingExample - This is an error message  
12:00:00.124 [main] WARN LoggingExample - This is a warning message