SLF4J logging framework

Exercise 1: Logging Error Messages and Warning Levels

Task: Write a Java application that demonstrates logging error messages and warning levels using SLF4J.

Step-by-Step Solution:

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

```xml
<dependencies>
<dependency>
   <groupId>org.slf4j</groupId>
   <artifactId>slf4j-api</artifactId>
   <version>2.0.13</version>
</dependency>


<dependency>
   <groupId>ch.qos.logback</groupId>
   <artifactId>logback-classic</artifactId>
   <version>1.4.14</version>
</dependency>
</dependencies>
```


2. Create a Java class that uses SLF4J for logging:

LogginExample.java

```java
package com.loggingDemo;


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


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

```java
public static void main(String[] args) {

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

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

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

    logger.debug("This is a debug message");

    }

}
```

Result: