Logging using SLF4J

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:

```
<dependency>
  <groupId>org.slf4j</groupId>
  <artifactId>slf4j-api</artifactId>
  <version>1.7.30</version>
</dependency>
<dependency>
  <groupId>ch.qos.logback
  <artifactId>logback-classic</artifactId>
  <version>1.2.3</version> </dependency>
</dependency>
23
24
25⊜
     <!-- Logback (SLF4J Implementation) -->
<dependency>
      <groupId>ch.qos.logback</groupId>
  <artifactId>logback-classic</artifactId>
          <version>1.2.3
29 </dependency>
30 </dependencies>
```

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

32 </project>

```
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");
}
```

```
}
```

```
_ _
lacksquare LoggingExample.java 	imes
  1⊖ import org.slf4j.Logger;
  2 import org.slf4j.LoggerFactory;
  4 public class LoggingExample {
  6
         private static final Logger Logger = LoggerFactory.getLogger(LoggingExample.class);
  7
  80
          public static void main(String[] args) {
              Logger.error("This is an error message");
Logger.warn("This is a warning message");
  9
 10
 11
 12 }
                                                                   <terminated> LoggingExample [Java Application] C:\Users\SUBHUNDU\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64
11:26:14.287 [main] ERROR LoggingExample - This is an error message 11:26:14.294 [main] WARN LoggingExample - This is a warning message
```