

Exercise 1: Logging Error Messages and Warning Levels

Pom.xml(Dependency):

```
<!-- Dependencies for pom.xml -->
<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>
```

Code:

```
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
```