WEEK 2

(Implemented in Eclipse)

1)SL4J Logging Exercises

Exercise 1:Logging error messages and Warning level:

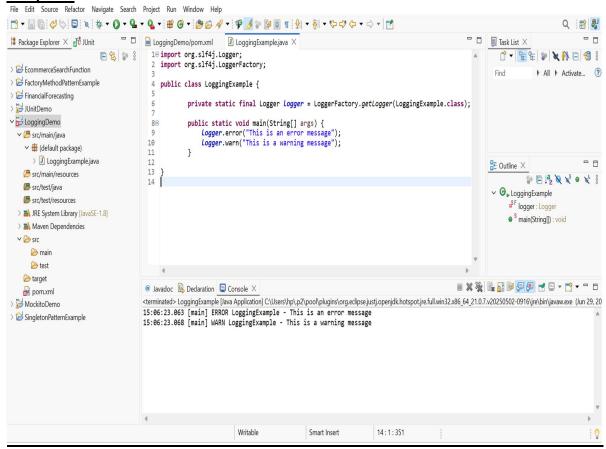1. Added SLF4J and Logback dependencies to `pom.xml` file:

pom.xml

```xml
<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
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.example</groupId>
  <artifactId>LoggingDemo</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <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>
</project>
```

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

LoggingExample.java

```java
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");
        }

}
```