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</groupId>
<artifactId>logback-classic</artifactId>
<version>1.2.3</version>
</dependency>
```

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");
}
}
```
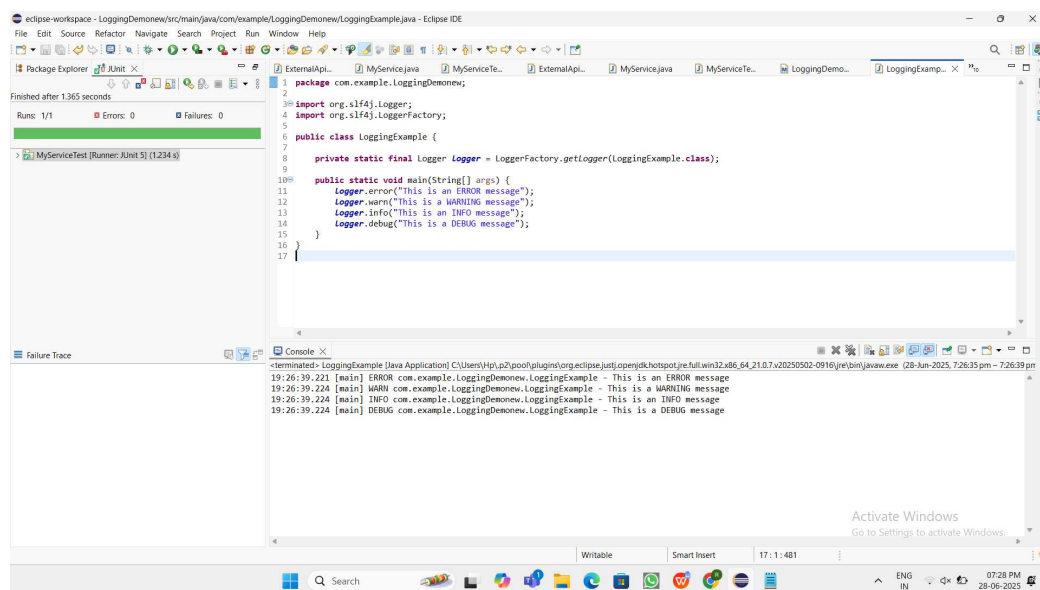
CODE:

LoggingExample.java

```java
package com.example.LoggingDemonew;

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");

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

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

    }

}
```

OUTPUT: