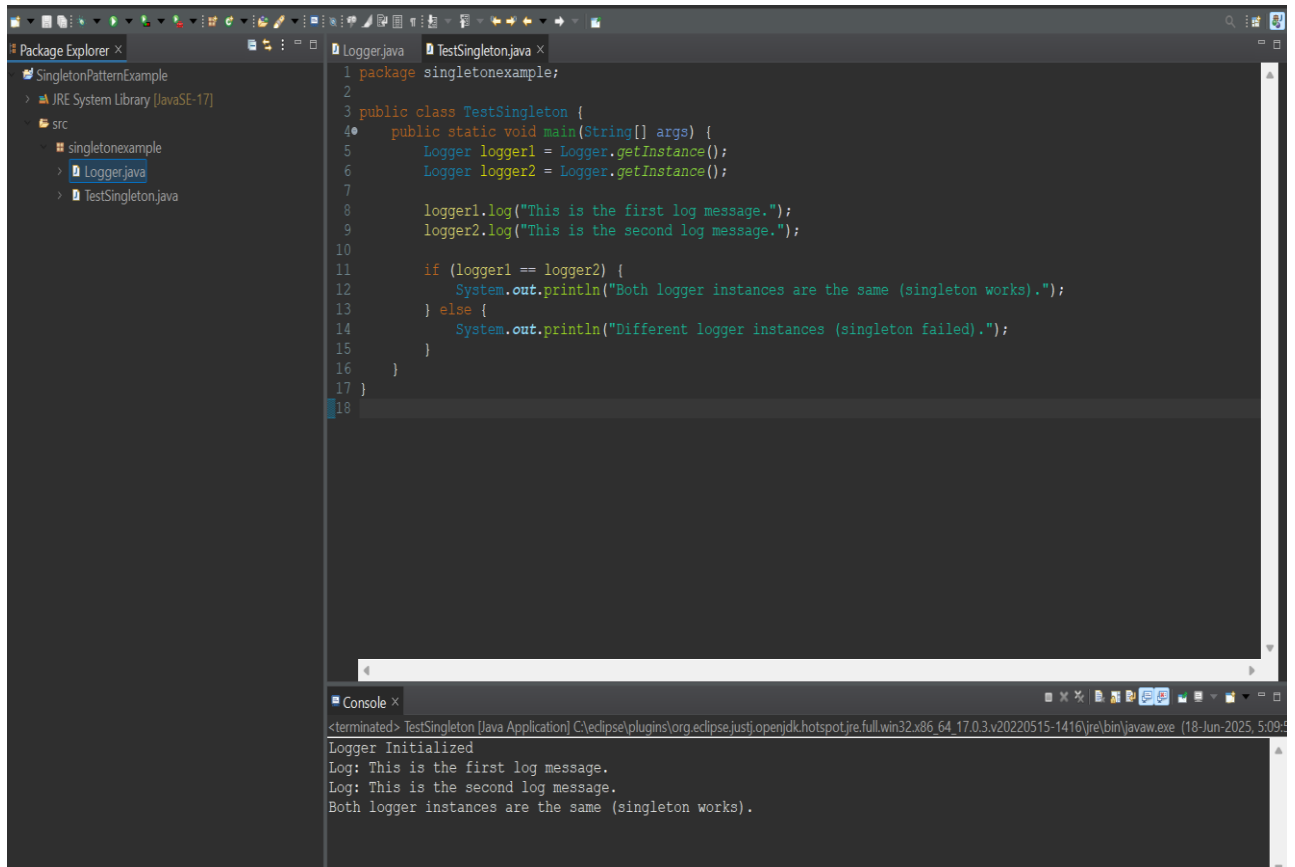


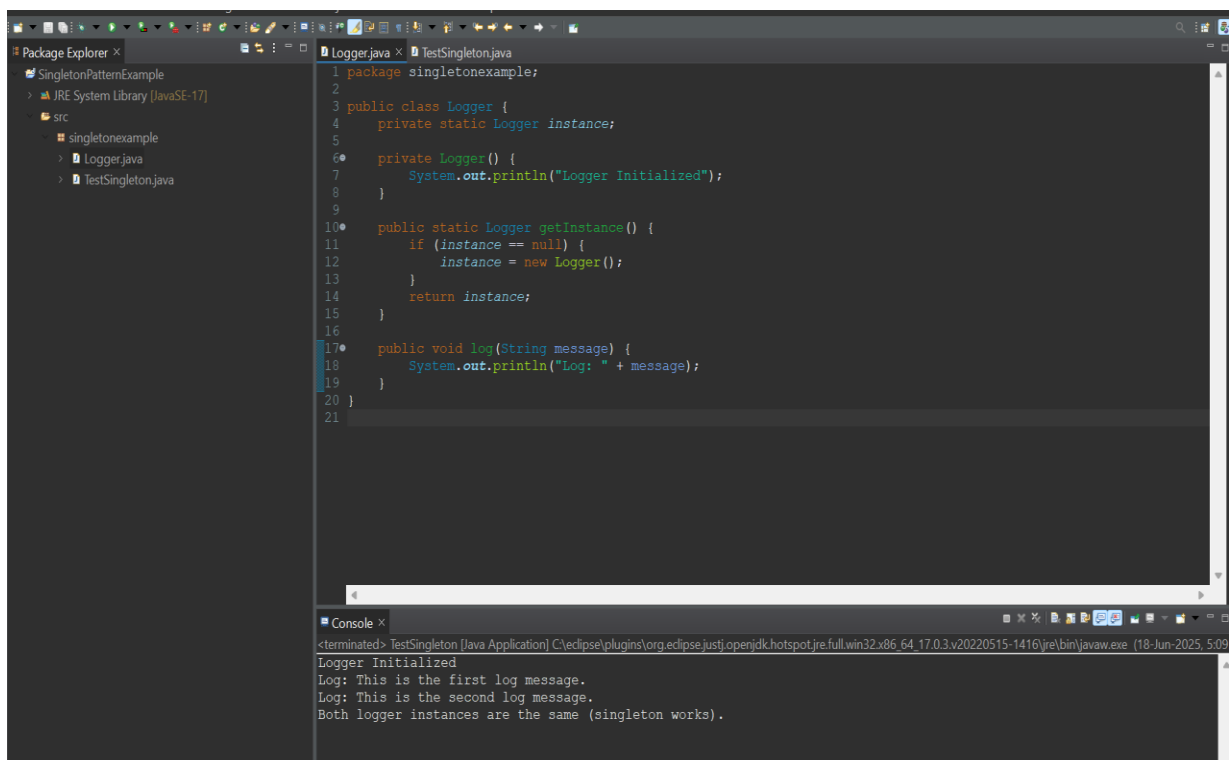
OUTPUT :-



```
Package Explorer ×
SingletonPatternExample
├── JRE System Library [JavaSE-17]
└── src
    ├── singletonexample
    │   ├── Logger.java
    │   └── TestSingleton.java
    └──

Logger.java
1 package singletonexample;
2
3 public class TestSingleton {
4     public static void main(String[] args) {
5         Logger logger1 = Logger.getInstance();
6         Logger logger2 = Logger.getInstance();
7
8         logger1.log("This is the first log message.");
9         logger2.log("This is the second log message.");
10
11         if (logger1 == logger2) {
12             System.out.println("Both logger instances are the same (singleton works).");
13         } else {
14             System.out.println("Different logger instances (singleton failed).");
15         }
16     }
17 }
18

Console ×
<terminated> TestSingleton [Java Application] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (18-Jun-2025, 5:09:
Logger Initialized
Log: This is the first log message.
Log: This is the second log message.
Both logger instances are the same (singleton works).
```



```
Package Explorer ×
SingletonPatternExample
├── JRE System Library [JavaSE-17]
└── src
    ├── singletonexample
    │   ├── Logger.java
    │   └── TestSingleton.java
    └──

Logger.java
1 package singletonexample;
2
3 public class Logger {
4     private static Logger instance;
5
6     private Logger() {
7         System.out.println("Logger Initialized");
8     }
9
10    public static Logger getInstance() {
11        if (instance == null) {
12            instance = new Logger();
13        }
14        return instance;
15    }
16
17    public void log(String message) {
18        System.out.println("Log: " + message);
19    }
20 }
21

Console ×
<terminated> TestSingleton [Java Application] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (18-Jun-2025, 5:09
Logger Initialized
Log: This is the first log message.
Log: This is the second log message.
Both logger instances are the same (singleton works).
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