



The screenshot shows the Eclipse IDE's console window. The title bar indicates the application is terminated. The console output shows the following sequence of messages:

```
<terminated> Main [Java Application] C:\Users\bhuv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.17.0.9.v20231028-0858\jre\bin\javaw.exe (17-Jun-2025, 7:50:57 pm - 7:50:58 pm) [pid: 6044]
Logger instance created
Log: This is the first log message.
Log: This is the second log message.
Both logger instances are the same.
```

The output shows that the logger instance is created only once.
Even when we try to get the logger again, it doesn't create a new one.
Both log messages are printed using the same instance.
This proves the Singleton pattern works-only one object exists throughout.