Exercise 1: Implementing the Singleton Pattern

Scenario:

You need to ensure that a logging utility class in your application has only one instance throughout the application lifecycle to ensure consistent logging.

Logger.cs:

```
| SingletonPatternExample | - Or SingletonPatternExample| | -
```

```
| SingletonPatternExample | Programs | What's New? | Programs | Pr
```

Program.cs

```
| SognetorAntenterangle | SognetorAntenterangle Rogum | SometorAntenterangle Rogum | SognetorAntenterangle Rogum | SognetorAnt
```

Output:

```
C:\Users\KIIT\source\repos\S \times + \times

Logger initialized...

Log: This is the first log message.

Log: This is the second log message.

Both logger1 and logger2 refer to the same instance.
```