Implementing the Singleton Pattern

1. Create a New Java Project:

* A new Java project was created with the name “SingletonPatternExample”.

1. Define a Singleton Class:

* A class with the name “Logger” having a private static instance of itself was created and the constructor was private.
* A public static method to get the instance of the Logger class was also provided.

1. Implement the Singleton Pattern:

* A code was written to ensure that the Logger class follows the Singleton design pattern.

1. Analysis:

* A test class was created to verify that only one instance of Logger is created and used across the application.