**Singleton Pattern Example**

**CODE :**

**Logger.java**

public class Logger {

private static Logger instance;

private Logger() {

        System.out.println("Logger instance created.");

}

    public static Logger getInstance() {

        if (instance == null) {

            instance = new Logger();

        }

        return instance;

    }

  public void log(String message) {

        System.out.println("[LOG]: " + message);

    }

}

**SingletonTest.java**

public class SingletonTest {

    public static void main(String[] args) {

        Logger logger1 = Logger.getInstance();

        Logger logger2 = Logger.getInstance();

        logger1.log("This is the first log message.");

        logger2.log("This is the second log message.");

        if (logger1 == logger2) {

            System.out.println("Both logger instances are the same (Singleton verified).");

        }

else {

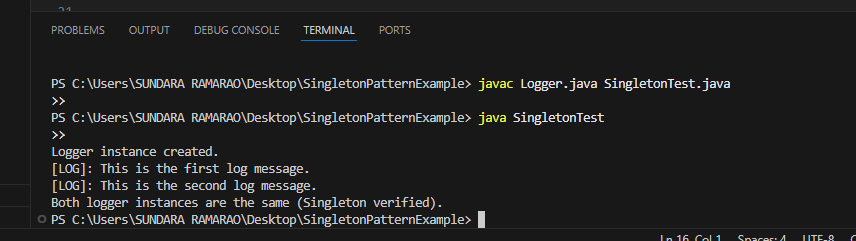
            System.out.println("Logger instances are different (Singleton FAILED).");

}

    }

}

**OUTPUT :**

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