**Impelementing the singleton pattern**

Logger.java

public class Logger {

    private static Logger instance;

    private Logger() {

        System.out.println("Logger Initialized.");

    }

    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("First login");

        logger2.log("Second login");

        if (logger1 == logger2) {

            System.out.println("Same instances. Singleton achieved.");

        } else {

            System.out.println("Different instances exist. Singleton failed.");

        }

    }

}

Output:

