package SupersetGogulan.week1.DesignPattern;

// Logger Class

public class Logger {

    private static Logger instance;

    private Logger() {

        System.out.println("Logger initialized only once.");

    }

    public static Logger getInstance() {

        if (instance == null) {

            instance = new Logger();

        }

        return instance;

    }

    public void log(String message) {

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

    }

}

//Main class

package SupersetGogulan.week1.DesignPattern;

public class Main {

    public static void main(String[] args){

        System.out.println("\n------- Logger Application: Singleton Pattern -------\n");

        Logger logger1 = Logger.getInstance();

        Logger logger2 = Logger.getInstance();

        System.out.println("Are logger1 and logger2 the same instance? " + (logger1 == logger2));

        logger1.log("First log message \n");

        logger2.log("second log message \n");

    }

}