**WEEK -1**

**MODULE-1**

SUPERSET ID:6407550

**EXERCISE:1**

**Logger.java**

public class Logger {

    private static volatile Logger instance;

    private Logger() {}

    public static Logger getInstance() {

        if (instance == null) {

            synchronized (Logger.class) {

                if (instance == null) {

                    instance = new Logger ();

                }

            }

        }

        return instance;

    }

}

**Main.java**

public class Main{

public static void main(String[] args) {

Logger s1 = Logger.getInstance();

Logger s2 = Logger.getInstance();

System.out.println(s1);

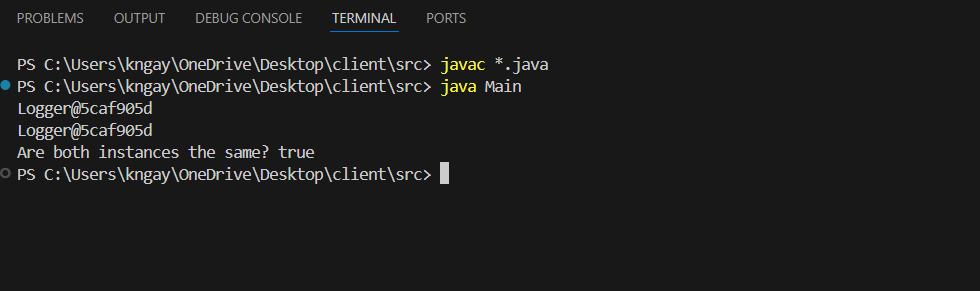
System.out.println(s2);

System.out.println("Are both instances the same? " + (s1 == s2));

}

}

**OUTPUT:**

****