

**Instituto Politécnico Nacional***Escuela Superior de Cómputo*

- Compilación:

```
13 public class Pi
14 {
15     static Object obj = new Object();
16     static float pi = 0;
17
18     static class Worker extends Thread
19     {
20         Socket conexion;
21         Worker(Socket conexion)
22         {
23             this.conexion = conexion;
24         }
25
26         public void run()
27         {
28             // Algoritmo 1
29
30             try{
31                 Socket conexion = new Socket("localhost", 20000);
32                 DataOutputStream salida = new DataOutputStream(conexion.getOutputStream());
33                 DataInputStream entrada = new DataInputStream(conexion.getInputStream());
34
35                 float suma = entrada.readFloat();
36
37                 synchronized(obj){
38                     pi += suma;
39                 }
40
41                 salida.close();
42             }
43         }
44     }
45 }
```

Output - Build (T1\_CalculoPi) X

```
--- maven-surefire-plugin:2.12.4:test (default-test) @ T1_CalculoPi ---
No tests to run.

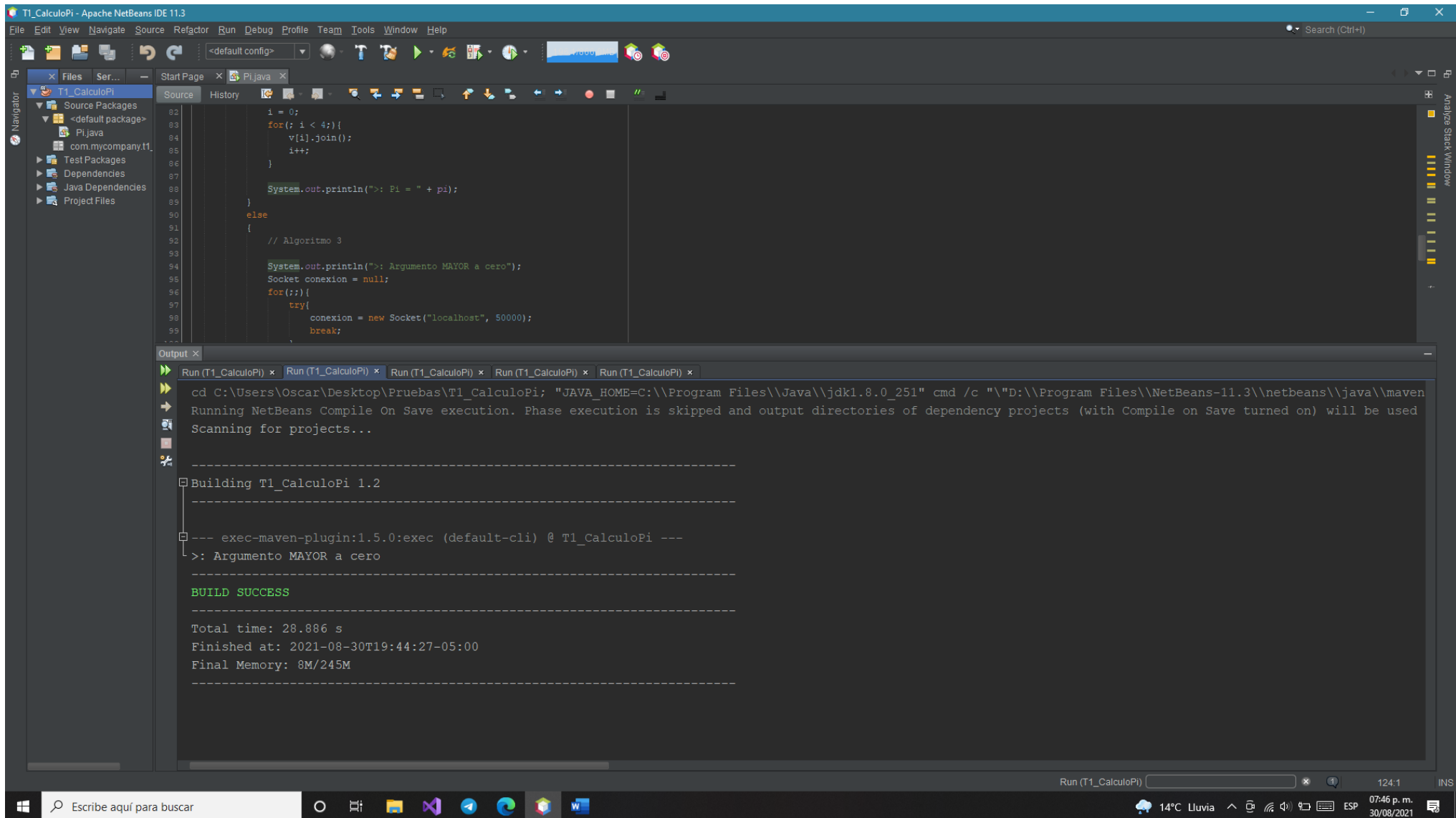
--- maven-jar-plugin:2.4:jar (default-jar) @ T1_CalculoPi ---
Building jar: C:\Users\Oscar\Desktop\Pruebas\T1_CalculoPi\target\T1_CalculoPi-1.2.jar

--- maven-install-plugin:2.4:install (default-install) @ T1_CalculoPi ---
Installing C:\Users\Oscar\Desktop\Pruebas\T1_CalculoPi\target\T1_CalculoPi-1.2.jar to C:\Users\Oscar\.m2\repository\com\mycompany\T1_CalculoPi\1.2\T1_CalculoPi-1.2.jar
Installing C:\Users\Oscar\Desktop\Pruebas\T1_CalculoPi\pom.xml to C:\Users\Oscar\.m2\repository\com\mycompany\T1_CalculoPi\1.2\T1_CalculoPi-1.2.pom

BUILD SUCCESS

Total time: 8.115 s
Finished at: 2021-08-30T17:40:02-05:00
Final Memory: 15M/150M
```

- Vista de la consola del cliente:



- Resultado desplegado en el Servidor

