```
🔀 igra@josefernandez: ~ 🛕 Ubuntu
                                                                                                                                                                           West-continuación, se mueEnter new UNIX username: igra
Instalar con "wsl.exe New Password:

A Ubuntu

Ubuntu ya está instalado.

Las distribuciones tam inciando Ubuntu...

https://aka.ms/wslstor.Installing, this may take a few minutes...

Error code: wsl/wsl_E sdPlease create a default UNIX user account. The username does not need to match your Windows username.

igysten322 wsl.exe For more information visit: https://aka.ms/wslusers

A continuación, se mueEnter new UNIX username: igra

Instalar con "wsl.exe New password:
      Dbuntu
Debian
Kali-linux
        ter new UNIX usernam
       we password:
etype new password:
asswd: password updated successfully
installation successful!
                                    ··· C cliente_tcp.c • C servidor_tcp.c
                                                                                                              Makefile .../cliente
   OPEN EDITORS 2 unsaved
                                     1 #include <stdio.h>
2 #include <stdiib.h>
3 #include <string.h>
4 #include <unistd.h>
                                             6 #include <netinet/in.h>
7 #include <arpa/inet.h>
          SocketClient.java Java/src/Fuente
          SocketServer.java Java/src/Fuente
     • 🔬 CustomJFrame.java Java/src/Int...
        Makefile C/servidor
                                             10 #define BUF_SIZE 1024
        cliente_udp.c C/cliente
                                             11 #define SERV_HOST_ADDR "127.0.0.1"
  ∨ PROGRAMACIONSOCKETSISAAC [WSL: DE...
    ∨ = c
                                                    int main()
                                                          int sockfd;
                                                          struct sockaddr in serv addr:
        cliente_udp
                                                        struct sockadd __.
char buffer[BUF_SIZE];
         ₩ Makefile
                                                         /*creacion de socket*/
     v 📹 servidor
         ₩ Makefile
                                                          sockfd = socket(AF_INET, SOCK_STREAM, 0); // Notar SOCK_STREAM para TCP
                                                          if (sockfd == -1)
                                                                fprintf(stderr, "socket creation failed\n");
  > OUTLINE
  > TIMELINE
                                          C cliente_tcp.c ● C servidor_tcp.c
                                                                                        servidor_udp.c
                                                                                                               ₩ Makefile .../cliente
OPEN EDITORS 2 unsaved The GO C > cliente > C cliente tepe
 X C cliente_tcp.c C/cliente
C servidor_tcp.c C/servidor
                                                         if (sockfd == -1)
    servidor_tcp.c C/servidor
servidor_udp.c C/servidor
Makefile C/cliento
                                                                fprintf(stderr, "socket creation failed\n");
    Makefile C/cliente
                                                                return -1:
     SocketClient.java Java/src/Fuente

    SocketServer.java Java/src/Fuente
    LustomJFrame.java Java/src/Int...

                                                         serv_addr.sin_family = AF_INET;
    ₩ Makefile C/servidor
                                                          serv_addr.sin_port = htons(SERV_PORT);
    cliente_udp.c C/cliente
                                                          serv_addr.sin_addr.s_addr = inet_addr(SERV_HOST_ADDR);
PROGRAMACIONSOCKETSISAAC [WSL: DE... 31
∨ = C
 ∨ d cliente
                                                          if (connect(sockfd, (struct sockaddr *)&serv_addr, sizeof(serv_addr)) != 0)
   cliente_tcp
                                                                fprintf(stderr, "connection with the server failed\n");
    cliente_udp
      cliente_udp.c
     Makefile

✓ 

servidor

                                                          strcpy(buffer, "Hello, Server!");
     Makefile
                                                          write(sockfd, buffer, sizeof(buffer));
     servidor_tcp
     servidor tcp.c
                                                          close(sockfd);
                                                          return 0;
OUTLINE
TIMELINE
```

```
C cliente_tcp.c C/cliente
Suriavaea

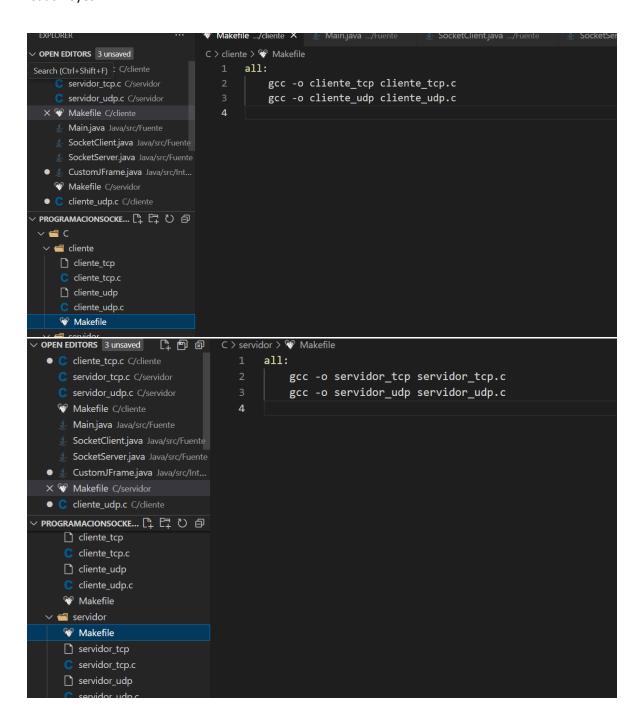
( cliente_tcp.c C/cliente
C servidor_tcp.c C/servidor
C servidor_udp.c C/servidor
C servidor_tcp.c C/cliente
C servidor_tcp.c C/servidor
C servid
           • & CustomJFrame.java Java/src/Int... 8 #define SERV_PORT 5000
    ∨ 📹 cliente
                                                                                                                  int sockfd;
                cliente_tcp
                                                                                                                 struct sockaddr_in serv_addr;
                                                                                                              char buffer[BUF_SIZE];
                cliente_udp
                                                                                                            /*Creacion del socket*/
               Makefile
                                                                                                                 sockfd = socket(AF_INET, SOCK_DGRAM, 0); // Notar SOCK_DGRAM para UDP

✓ 

servidor

                                                                                                              if (sockfd == -1)
                 Makefile
                  servidor_tcp
                                                                                                                            fprintf(stderr, "socket creation failed\n");
      OUTLINE
                                                                                                                                                       SocketServer.java 👲 CustomJFrame.java 🔍 🤍 Makefile .../servidor
                                                                                                                                                                                                                                                                                               cliente udp.c
serv_addr.sin_port = htons(SERV_PORT);
                                                                                             serv_addr.sin_addr.s_addr = inet_addr(SERV_HOST_ADDR);
                                                                                              strcpy(buffer, "Hello, Server!");
    diente
                                                                                              sendto(sockfd, buffer, BUF_SIZE, 0, (struct sockaddr *)&serv_addr, sizeof(serv_addr));
      cliente_tcp
        cliente tcp.c
                                                                                              close(sockfd);
                                                                                               return 0;
       W Makefile
      servidor
       Makefile
       servidor_tcp
```

## Isaac Reyes



```
C > servidor > C > servidor_tcp.c

1  #include < stdio.h>
2  #include < stdlib.h>
3  #include < string.h>
4  #include < unistd.h>
5  #include < sys/socket.h>
the 6  #include < netinet/in.h>
7  #include < arpa/inet.h>
OPEN EDITORS 4 unsaved
    Makefile C/cliente
      SocketServer.java Java/src/Fuente
CustomJFrame.java Java/src/Int...
                                          9 #define SERV_PORT 5000
10 #define BUF_SIZE 1024
    W Makefile C/servidor
                                        12 |
13 int main()
       JFrame.java Java/interfaz
                                         14 {
int sockfd, connfd;
Main iava lava/src/main/iava/fise
PROGRAMACIONSOCKETSISAAC [WSL: DE...
CREATE_UOD.C
                                                    struct sockaddr_in serv_addr, cli_addr;
     ₩ Makefile
                                                     char buffer[BUF_SIZE];
 ∨ = servidor
* Makefile
                                                    socklen_t addr_len;
                                                    sockfd = socket(AF_INET, SOCK_STREAM, 0); // Notar SOCK_STREAM para TCP
if (sockfd == -1)
     servidor_udp
                                                       fprintf(stderr, "socket creation failed\n");
return -1;
 ∨ 	☐ Fuente
       Main.java
        Main$1.class
                                                    serv_addr.sin_family = AF_INET;
                                                    serv_addr.sin_port = htons(SERV_PORT);
serv_addr.sin_addr.s_addr = htonl(INADDR_ANY);
        SocketServer.class
OUTLINE
                                        c servidor_tcp.c • c servidor_udp.c
                                                                                        Makefile .../cliente
OPEN EDITORS 4 unsaved
    30
Servidor_tcp.c C/servidor 31
C servidor_udp.c C/servidor 32

Makefile C/dients
                                                         serv_addr.sin_port = htons(SERV_PORT);
                                                         serv_addr.sin_addr.s_addr = htonl(INADDR_ANY);
                                                       //socket bind:/
                                                      if (bind(sockfd, (struct sockaddr *)&serv_addr, sizeof(serv_addr)) != 0)
{
                                                               fprintf(stderr, "socket bind failed\n");
      SocketServer.java Java/src/Fuente
   Makefile C/servidor

    cliente udp.c C/cliente

5. Main iava lava/src/main/iava/fue 43

PROGRAMACIONSOCKETSISAAC [WSL: DE... 44

Cliente_udp.c
                                                              fprintf(stderr, "listen failed\n");
     ₩ Makefile
                                                         addr_len = sizeof(cli_addr);
                                                         connfd = accept(sockfd, (struct sockaddr *)&cli_addr, &addr_len);
                                                               fprintf(stderr, "accept failed\n");
 ∨ 📹 Fuente
       Main class
                                                         read(connfd, buffer, sizeof(buffer));
         Main.java
                                                         printf("Message from client: %s\n", buffer);
         Main$1.class
                                                         close(sockfd);
```

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·· C servidor_tcp.c • C servidor_udp.c • 🏶 Makefile .../cliente 🔬 Main.java .../Fuente
 OPEN EDITORS Sunsaved

C cliente_tcp.c C/cliente

Servidor_tcp.c C/stervidor

Servidor_tcp.c Servidor_tcp.c Servidor

Servidor_tcp.c Se
 OPEN EDITORS 5 unsaved ☐ ☐ ☐ ☐ C > servidor > ☐ servidor_udp.c
                                                                                   int sockfd;
struct sockaddr_in serv_addr, cli_addr;
char buffer[BUF_SIZE];
         Makefile
                                                                                       socklen_t addr_len;

✓ 

servidor

         Makefile
        servidor_tcp
                                                                                    sockfd = socket(AF_INET, SOCK_DGRAM, 0); // Notar SOCK_DGRAM para UDP
if (sockfd == -1)
      servidor_udp.c 21
servidor_udp.c 22
Java/src 23
                                                                                                fprintf(stderr, "socket creation failed\n");
            Main.class
           Main.java
                                                                                      serv_addr.sin_family = AF_INET;
            SocketClient.class
                                                                                       serv_addr.sin_port = htons(SERV_PORT);
                                                                                       serv_addr.sin_addr.s_addr = htonl(INADDR_ANY);
 OUTLINE
                                                                                         if (bind(sockfd, (struct sockaddr *)&serv_addr, sizeof(serv_addr)) != 0)
 TIMELINE
 JAVA PROJECTS
 Extension: Extension Pack for J... 32
                                                                                   if (bind(sockfd, (struct sockaddr *)&serv_addr, sizeof(serv_addr)) != 0)
GUI.iava Java/fuente
                                                                                            fprintf(stderr, "socket bind failed\n");
 Main iava_lava/src/main/iava/fue 35
MACIONSOCKETSISAAC [WSL: DE... 36
 Makefile
                                                                                 addr_len = sizeof(cli_addr);
                                                                                recvfrom(sockfd, buffer, BUF_SIZE, 0, (struct sockaddr *)&cli_addr, &addr_len);
                                                                                 printf("Message from client: %s\n", buffer);
 servidor_udp
                                                                                 close(sockfd);
                                                                                  return 0;
Fuente
 Main.class
 SocketClient.class
        _udp.c ● 🐬 Makefile .../cliente 👙 Main.java .../Fuente 👙 SocketClient
                  C > servidor > 💜 Makefile
                                                     all:
                                                                           gcc -o servidor tcp servidor tcp.c
                                  2
                                                                           gcc -o servidor udp servidor udp.c
                                  3
                                 4
```

```
··· _udp.c ● 💝 Makefile .../cliente
OPEN EDITORS 6 unsaved 🔭 🖆 😡 🛮 Java > src > Fuente > 🎂 Main.java > ...
                          1 package Fuente;
2 import java.awt.EventQueue;
                               3 import Interfaz.CustomJFrame;
• C servidor_udp.c C/servidor
  Makefile C/cliente
                                5 public class Main {
                              Run|Debug

6  public static void main(String[] args) {
   SocketClient.java Java/src/Fuente
   SocketServer.java Java/src/Fuente
                                          EventQueue.invokeLater(new Runnable() {
  CustomJFrame.java Java/src/Int...
                                                  public void run() {
  Makefile C/servidor

    cliente_udp.c C/cliente

  Extension: Extension Pack for J... 10
                                                           CustomJFrame frame = new CustomJFrame();
                                                           frame.setVisible(true);
   } catch (Exception e) {
  JFrame.java Java/interfaz
                                                          e.printStackTrace();
 ROGRAMACIONSOCKETSISAAC [WSL: DE...
    servidor_tcp.c
   servidor_udp
   c servidor_udp.c
 🆏 Java / src
 / 📹 Fuente
                               19
                                     //CODIGO MAL PORQUE NO USE GUI USE UN CUSTOM:
   SocketServer.class
                                    public class Main {
    SocketServer.java
     SocketServer$ClientHandler.cl...
  Interfaz
     CustomJFrame.class
     Custom JFrame.iava
```

```
··· _udp.c ● 🦃 Makefile .../cliente

✓ OPEN EDITORS 7 unsaved

                                     26 CODIGO DE ARRIBA ERA CUANDO ESTABA PROGRAMANDO Y NO SME SALIA

    Cliente_tcp.c C/cliente

                                  26 CODIGO DE ARRIBA ERA CUANDO ES

27 */

28 package Fuente;

29 import java.io.BufferedReader;
      Makefile C/cliente
   ■ Main.java Java/src/Fuente 30 import java.1o.BufferedReader;
■ SocketClient.java Java/src/Fuente 31 import java.io.InputStreamReader;
■ SocketServer.java Java/src/Fuente 32 import java.io.PrintWriter;
■ CustomJFrame.java Java/src/Int... 33 import java.net.Socket;
■ Makefile C/servidor 34
                                      35  public class SocketClient {

    C cliente_udp.c C/cliente

     Extension: Extension Pack for J... 36
        GUI.java Java/fuente
                                                 private Socket socket;
        JFrame.java Java/interfaz
                                                 private PrintWriter out;
 Main iava lava/src/main/iava/fue 39

PROGRAMACIONSOCKETSISAAC [WSL: DE... 40
                                                private BufferedReader in;
                                               public SocketClient(String host, int port) throws IOException {
                                                   socket = new Socket(host, port);
                                                      out = new PrintWriter(socket.getOutputStream(), true);

√ 

☐ Fuente

                                                      in = new BufferedReader(new InputStreamReader(socket.getInputStream()));
        Main.class
         Main.java
                                               public void send(String message) throws IOException {
        SocketClient.java 48
SocketServer.class 49
                                                      out.println(message);
       SocketServer.java
                                               public String receive() throws IOException {
                                                 return in.readLine();
}
   ∨ = Interfaz
         CustomJFrame.class
       CustomJFrame$1.class
                                                      in.close();
 ∨ = PortScan
                                                      out.close();
 OUTLINE
                                                      socket.close();
 > TIMELINE
 > JAVA PROJECTS
                                                                                                                                                       Ln 26, Col 62
                                                      return in.readLine();
W Makefile C/cliente
   Main.java Java/src/Fuente
   SocketClient.java Java/src/Fuente
                                                public void close() throws IOException {
   SocketServer.java Java/src/Fuente
                                                   in.close();
   CustomJFrame.java Java/src/Int...
                                                     out.close():
 W Makefile C/servidor
                                                     socket.close();
 Extension: Extension Pack for J...
   JFrame.java Java/interfaz
                                                public static void main(String[] args) {
Main iava_lava/src/main/iava/fue_
DGRAMACIONSOCKETSISAAC [WSL: DE...
                                                           SocketClient client = new SocketClient(host:"localhost", port:5000);
                                                           client.send(message:"Hola, servidor");
 servidor udp.c
Fuente
                                                          String response = client.receive();
    Main.class
                                                          System.out.println("Respuesta recibida del servidor: " + response);
    Main$1.class
                                                          client.close();
                                                     } catch (IOException e) {
                                                          e.printStackTrace();
    SocketClient.iava
    SocketServer.class
    SocketServer$ClientHandler.cl... 74
Interfaz
   CustomJFrame.class
PortScan
TLINE
```

```
... _udp.c 🌑 😵 Makefile .../cliente 👙 Main.java .../Fuente 🔍 👙 SocketClient.java .../Fuente 🔍 👙 SocketServer.java 🗨 👙 CustomJFra
 🗸 OPEN EDITORS 8 unsaved 🕒 🖺 📵 Java > src > Fuente > 🔬 SocketServer.java > ..

    servidor_tcp.c C/servidor

   • C servidor_udp.c //servidor 49 package Fuente;

• Makefile C/cliente 50 import java.io.BufferedReader;

• Mainjava Java/src/Fuente 51 import java.io.IOException;

• SocketClientjava Java/src/Fuente 52 import java.io.InputStreamReader;

• SocketServerjava Java/src/Fuente 53 import java.io.PrintWriter;

    & CustomJFrame.java Java/src/Int...

                                         54 import java.net.ServerSocket;55 import java.net.Socket;
      Makefile C/servidor
      Extension: Extension Pack for J...
        JFrame.java Java/interfaz
                                                      private ServerSocket serverSocket;
4. Main iava lava/src/main/iava/fue 60

✓ PROGRAMACIONSOCKETSISAAC [WSL: DE... 61
                                                     private int port;
                                                      public SocketServer(int port) throws IOException {
                                                      serverSocket = new ServerSocket(port);
  ∨ 📹 Java / src
                                                            this.port = port;

✓ 

☐ Fuente

                                                   public void start() throws IOException {
         Main$1.class
                                                        System.out.println("Servidor iniciado en el puerto " + port);
          SocketClient.class
          SocketClient.java
                                                                 Socket clientSocket = serverSocket.accept();
          SocketServer.java
                                                                 ClientHandler clientHandler = new ClientHandler(clientSocket);
          SocketServer$ClientHandler.cl...
                                                                 clientHandler.start();
    ∨ 📹 Interfaz
          CustomJFrame.class
         CustomJFrame.java
 ∨ 📹 PortScan
                                                      private Socket clientSocket;
> OUTLINE
                                                          private BufferedReader in;
> TIMELINE
> JAVA PROJECTS
                                                 private PrintWriter out;
                        --- _udp.c • 💗 Makefile .../cliente 👙 Main.java .../Fuente • 👙 SocketClient.java .../Fuente • 👙 SocketServer.java • 👙 CustomJFrame.java •
EDITORS 8 unsaved
 cliente_tcp.c C/cliente
 servidor_tcp.c C/servidor
 Makefile C/cliente
                                         private class ClientHandler extends Thread {
                                           private Socket clientSocket;
private BufferedReader in;
 Main.java Java/src/Fuente
 SocketClient.java Java/src/Fuente
SocketServer.java Java/src/Fuente
                                              private PrintWriter out;
 CustomJFrame.java Java/src/Int...
Makefile C/servidor
                                              public ClientHandler(Socket socket) throws IOException {
 cliente_udp.c C/cliente
                                                   this.clientSocket = socket:
                                                     this.in = new BufferedReader(new InputStreamReader(clientSocket.getInputStream()));
 GUI.iava Java/fuente
                                                     this.out = new PrintWriter(clientSocket.getOutputStream(), true);
 JFrame.java Java/interfaz
Main iava lava/src/main/iava/fue 87
RAMACIONSOCKETSISAAC [WSL: DE...
                                                public void run() {
                                                          String message = in.readLine();
Java / src
                                                          System.out.println("Mensaje recibido del cliente: " + message);
Fuente
  Main.class
  Main.java
                                                          String response = "Respuesta del servidor";
  Main$1.class
  SocketClient.class
                                                          out.println(response);
 SocketClient.java
                                                     } catch (IOException e) {
                                                         e.printStackTrace();
  SocketServer.class
                                                     } finally {
  SocketServer$ClientHandler.cl...
                                                               clientSocket.close();
Interfaz
  CustomJFrame.class
                                                          } catch (IOException e) {
                                                               e.printStackTrace();
  CustomJFrame.iava
  CustomJFrame$1.class
 PortScan
```

```
✓ OPEN EDITORS 8 unsaved 📑 🖆 📵 Java > src > Fuente > 🐇 SocketServerjava > ...

        X
        C cliente tcp.c C/cliente
        98

        ● C servidor_tcp.c C/servidor
        99

        ● C servidor_udp.c C/servidor
        100

        ▼ Makefile C/cliente
        101

                                                                                                                                                                                                                                                                     try {
              Servidor_udp.c C/servidor

Makefile C/cliente

SocketClient.java Java/src/Fuente

SocketServer.java Java/src/Fuente

Custom/Frame.java Java/src/Int...

Makefile C/servidor

Cliente_udp.c C/cliente

Extension: Extension Pack for J...

Run | D

    Servidor_udp.c C/servidor
    Makefile C/cliente
    Main.java Java/src/Fuente

                                                                                                                                                                                                                                                                                                                 clientSocket.close();
                                                                                                                                                                                                                                                                                                                       e.printStackTrace();
Run | Debug

Subject | Debug |
                                   SocketClient.iava
                          SocketServer.class
                                   SocketServer$ClientHandler.cl...
                                                                                                                                                                                                                                                                                       🔬 Main.java .../Fuente 🏮 👙 SocketClient.java .../Fuente 🔹 👙 SocketServer.java 🔹 👙 CustomJFrame.java 🔹 💝 Makefil
       ✓ OPEN EDITORS 8 unsaved
             C diente_tcp.c C/cliente
C servidor_tcp.c C/servidor
S eservidor_ucp.c C/servidor
S import java.io.IOException;
Makefile C/cliente
S socketClientjava Java/src/Fuente
S socketClientjava Java/src/Fuente
S socketClientjava Java/src/Fuente
S cocketServerjava Java/src/Fuente
S customJFramejava Java/src/Fuente
S customJFrame extends JFrame {
    Culiarua Java/fuente
    Jupulic class CustomJFrame extends JFrame {
        private JTextField textField;
        private SocketClient client;
        Makefile C/servidor
S import java.awt.event.ActionListener;
        import java.awt.event
      setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
setBounds(100, 100, 450, 300);
getContentPane().setLayout(null);
                               Main.iava
                                Main$1.class
                                     : Main$1.class
: SocketClient.class
: SocketClient java
                                                                                                                                                                                                  JButton btnSend = new JButton("Enviar");
btnSend.addActionListener(new ActionListener() {
   public void actionPerformed(ActionEvent e) {
        String message = textField.getText():
                                     SocketServer$ClientHandler.cl...
                                                                                                                                                                                                                                                                    String message = textField.getText();
               ∨ 📹 Interfaz
                  CustomJFrame.java 26
CustomJFrame$1.class 27
                                                                                                                                                                                                                                                                                                         client = new SocketClient(host: "localhost", port:5000);
            ✓ = PortScan
                                                                                                                                                                                                                                                                                       client.send(message);
                                                                                                                                                                                                                                                             } catch (IOException ex) {
    ex.printStackTrace();
       > OUTLINE
       > TIMELINE
                                                                                                                                                                                                                                   btnSend.setBounds(335, 227, 89, 23);
```

```
Main.class
       Main.java
    Main$1.class
                                                           btnSend.setBounds(335, 227, 89, 23);
    SocketClient.class
                                                           getContentPane().add(btnSend);
    SocketClient.java
       SocketServer.class
                                                           textField = new JTextField();
     SocketServer.java
                                                           textField.setBounds(10, 228, 315, 20);
      SocketServer$ClientHandler.cl...
                                                           getContentPane().add(textField);
  ■ Interfaz
                                                           textField.setColumns(10);
      CustomJFrame.class
       CustomJFrame.java
    CustomJFrame$1.class
 PortScan
  W Makefile
  portscan
                                         46
OPEN EDITORS 9 unsaved
                   다 🖺 🔊 PortScan > 🕻 portscan
    Makefile C/client
                                4 #include <arpa/inet.h>

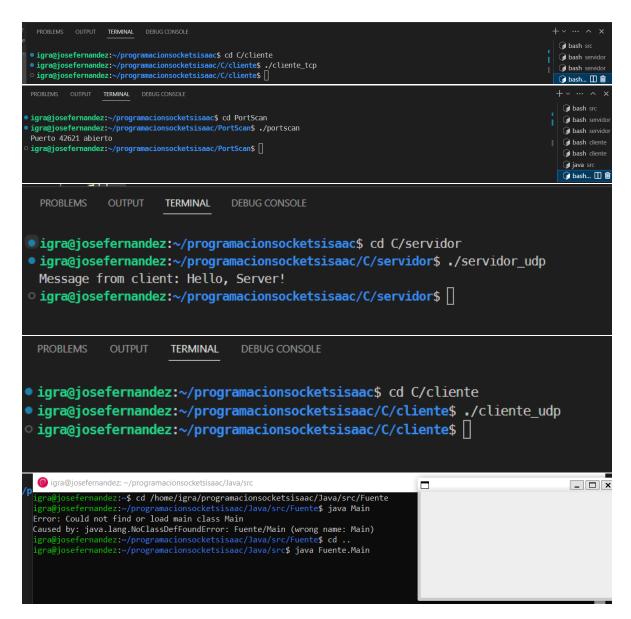
    <u>$\lambda$</u> CustomJFrame.java Java/src/Int...

                                     #include <string.h>
   W Makefile C/servidor
 • C cliente_udp.c C/cliente
                                     int main(int argc, char *argv[]) {
   Extension: Extension Pack for J...
                                         int sock, port;
                                         struct sockaddr_in target;
     JFrame.iava Java/interfaz
     SocketClient.java Java/src/main/...
                                          if ((sock = socket(AF_INET, SOCK_STREAM, 0)) < 0) {</pre>
                                              perror("socket");
     CustomJFrame.class Java/src/Int...
                                              return 1;
PROGRAMACIONSOCKETSISAAC [WSL: DE...
      Main.class
                                          //Establezco parametros del server
                                          target.sin_family = AF_INET;
      SocketClient.class
                                          target.sin_addr.s_addr = inet_addr("127.0.0.1");
      SocketServer.class
                                          //65535 ports
                                          for (port = 1; port <= 65535; port++) {
      SocketServer$ClientHandler.cl...
                                              target.sin_port = htons(port);
                                              if (connect(sock, (struct sockaddr *)&target, sizeof(target)) == 0) {
                                                  printf("Puerto %d abierto\n", port);
 ✓ = PortScan
   W Makefile
                                          close(sock);
                                          return 0;
OUTLINE
TIMELINE
  PortScan > 💝 Makefile
     1 all:
            gcc -- o portscan portscan.c
         clean:
         → rm -f portscan
```

```
TERMINAL
• igra@josefernandez:~/programacionsocketsisaac$ cd C/cliente
• igra@josefernandez:~/programacionsocketsisaac/C/cliente$ make
 gcc -o cliente_tcp cliente_tcp.c
 gcc -o cliente_udp cliente_udp.c
 cliente_udp.c: In function 'main':
 cliente_udp.c:34:5: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration
             close(sockfd);
• igra@josefernandez:~/programacionsocketsisaac/C/cliente$ cd ...
@ igra@josefernandez:~/programacionsocketsisaac/C$ servidor
 bash: servidor: command not found
• igra@josefernandez:~/programacionsocketsisaac/C$ cd servidor
• igra@josefernandez:~/programacionsocketsisaac/C/servidor$ make
 gcc -o servidor_tcp servidor_tcp.c
 gcc -o servidor_udp servidor_udp.c
• igra@josefernandez:~/programacionsocketsisaac/C/servidor$ cd ...
• igra@josefernandez:~/programacionsocketsisaac/C$ cd ...
• igra@josefernandez:~/programacionsocketsisaac$ cd PortScan
• igra@josefernandez:~/programacionsocketsisaac/PortScan$ make
 gcc -o portscan portscan.c
 portscan.c: In function 'main':
 portscan.c:29:5: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
• igra@josefernandez:~/programacionsocketsisaac/PortScan$ cd ...
• igra@josefernandez:~/programacionsocketsisaac$ cd Java/src
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
                                                                                                                     a bash sro
• igra@josefernandez:~/programacionsocketsisaac$ cd C/servidor
                                                                                                                     🍞 bash... 🗓 📋
  \bullet igra@josefernandez: \sim /programacionsocketsisaac/C/servidor \$./servidor\_tcp \\
                                                                                                                     a bash servido
  igra@josefernandez: \sim /programacionsocketsisaac/C/servidor \$ \; \big\lceil \\
```

## **CONEXIÓN**





No se ve porque WSL no aguanta la gráfica.