```
3
 4
 5
       bool esOpcion(std::string buffer);
 6
       int main() {
 8
 9
            std::cout << "Ingrese la dirección IP del servidor: ";
10
12
13
14
15
16
            if (WSAStartup(MAKEWORD(2, 2), &wsData) != 0) {
    std::cerr << "Error al inicializar Winsock" << std::endl;</pre>
17
18
19
            SOCKET clientSocket = socket(AF_INET, SOCK_STREAM, 0);
if (clientSocket == INVALID_SOCKET) {
    std::cerr << "Error al crear el socket del cliente" << std::endl;</pre>
22
23
24
25
                 WSACleanup();
26
27
28
29
30
            serverAddr.sin_port = htons(puerto);
31
34
       SOCKET ERROR) {
3.5
                  std::cerr << "Error al conectar al servidor" << std::endl;</pre>
36
37
                 WSACleanup();
38
40
41
            std::cout << "Conectado al servidor! Ingrese Usuario|Contrasena" << std::endl;
42
43
44
45
46
47
48
                  std::cin.getline(buffer, sizeof(buffer));
49
50
51
52
53
                        system("cls");
54
55
                 memset(buffer, 0, sizeof(buffer));
int bytesReceived = recv(clientSocket, buffer, sizeof(buffer), 0);
56
57
5.8
                        system("cls");
59
60
61
                 while (bytesReceived == 1024) {
62
63
                       std::cout.write(buffer, strlen(buffer) - 1);
send(clientSocket, ".", 1, 0);
memset(buffer, 0, sizeof(buffer));
bytesReceived = recv(clientSocket, buffer, sizeof(buffer), 0);
64
65
66
67
68
69
70
71
                  if (bytesReceived == SOCKET ERROR)
72
                        std::cerr << "Error al recibir datos del servidor" << std::endl;
                  } else if (bytesReceived == 0) {
   std::cout << "Servidor desconectado" << std::endl;</pre>
74
75
76
77
78
79
80
81
82
83
```

```
84
85
                       contador++;
 86
 87
                closesocket(clientSocket);
WSACleanup();
 88
 89
 90
 91
 92
 93
         bool esOpcion(std::string buffer){
   bool retorno = false;
   if(buffer == "1" || buffer == "2" || buffer == "3" || buffer == "4" || buffer == "a"
|| buffer == "b"){
      retorno = true;
   }
 94
 95
 96
 97
 98
99
100
101
```