

Ejercicio en clase chat cliente – servidor

Este es el código del cliente

```
1.import socket
2.import time
3.
4.HOST = '127.0.0.1' # The server's hostname or IP address
5.PORT = 65432      # The port used by the server
6.
7.with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
8.    s.connect((HOST, PORT))
9.    while True:
10.        cadena=str(input("->"))
11.        cadenabytes=cadena.encode()
12.        s.sendall(cadenabytes)#objeto tipo bytes
13.        data = s.recv(1024)
14.        if not data:
15.            break
16.        if(cadenabytes!=data):
17.            print(repr(data))
```

Este es el código del servidor

```
1.import socket
2.HOST = '127.0.0.1' # Standard loopback interface address (localhost)
3.PORT = 65432      # Port to listen on (non-privileged ports are > 1023)
4.
5.with socket.socket(socket.AF_INET, socket.SOCK_STREAM) as s:
6.    s.bind((HOST, PORT))
7.    s.listen()
8.    conn, addr = s.accept()#tupla con los valores (host, port) de ipv4
9.    with conn:
10.        print('Connected by', addr)
11.        while True:
12.            data = conn.recv(1024)
13.            if not data:
14.                break
15.            print(repr(data))#imprime versión imprimible de data que está en bytes
16.            cadena=str(input("->"))
17.            cadenabytes=cadena.encode()
18.            conn.sendall(cadenabytes)
```

```
ana@ana-Inspiron-7460: ~/Desktop/redes2
File Edit View Search Terminal Help
ana@ana-Inspiron-7460:~/Desktop/redes2$ python3 client.py
-->hola
b'probando'
-->11111111111111111111
b'22222222222222222222'
-->33333333
b'123456789'
-->
```

```
ana@ana-Inspiron-7460: ~/Desktop/redes2
File Edit View Search Terminal Help
ana@ana-Inspiron-7460:~/Desktop/redes2$ python3 server.py
Connected by ('127.0.0.1', 35682)
b'hola'
-->probando
b'11111111111111111111'
-->22222222222222222222
b'33333333'
-->123456789

```