IBM18CSD24

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TCP Server.

→ import Socket

ServerName = '127.0.0.1'

ServerPort = 12345.

to create server

Server_socket = socket. socket (socket.AF_INET, socket. sock_STREAM).

bind server.

server_socket . bind ((Server Name, Sower .Post))

listen.

Server - socket . listen (5).

while True :
    Print ("The server is waiting for connection")
    client. socket, addr = Server - socket .accept().
    while True :
        data= client_socket .recv (1024)
        if not data or data . decode (' utf-8') == 'END'.
            break.
        Print (" Reaved from chant: "%s" %data.decode ("utf-8"))
        try :
            client_socky .send (bytes ("Hello TCP Client !', 'utf-8))
        except :
            Print (" User Exit !"),
        client -socket. close ()

TCP client

```python
import socket
ServerName = '127.0.0.1'
ServerPort = 12345
client_socket = socket.socket(socket_AF_INET,
Socket.SOCK_STREAM),
client_socket.connect((ServerName, ServerPort))
Payload = "Hello TCP Server!"
try:
    while True:
        client_socket.send(Payload.encode('utf-8'))
        data = client_socket.recv(1024)
        Print(Str(data))
        more = input('Do you wish to send
more data   to the   server? \n')
        Payload = input("Enter the payload \n")
        else:
            break
except KeyboardInterrupt:
    Print("user Exit!")
client_socket.close()
```