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CN - TCP

TCP_server.py

```
import socket
    serverName = '127.0.0.1'
    serverPort = 12345
    server_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
     server_socket.bind((serverName, serverPort))
    server_socket.listen(5)
     while True:
          print("The server is waiting for connection")
          client_socket, addr = server_socket.accept()
          print("The client has been connected from:" addr)
          while True:
               data = client_socket.recv(1024)
               if not data or data.decode('utf-8') == 'END':
                    break
               print("Recieve from client: %s" % data.
                                        decode["utf-8"])
               try:
                    client_socket.send(bytes('Hello TCP Client:',
                                        'utf-8')
               except:
                    print("User Exit!")
          client_socket.close()
```

Teacher's Signature : _____

Date

No.

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TCP_client.py

```
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 with to send more data
                      to the server? \n')
        if more.lower() == 'y':
            payload = input('Enter the payload \n')
        else
            break;
except KeyboardInterrupt:
        print('User Exit!!')
client_socket.close()
```