Python

Sending multiple strings to a server (via array of strings)

UDP

UDP Client

- from socket import *
- serverName = "localhost"
- serverPort = 12004
- clientSocket = socket(AF_INET, SOCK_DGRAM)
- tempList = []
- print (tempList)

- tempList.append("John")
- tempList.append("Francis")
- tempList.append("Amy")
- tempList.append("Jada")
- print (tempList)

UDP Client

- count = 0
- while count < len(tempList) :
-    clientSocket.sendto(bytes(tempList[count],"utf-8"), (serverName, serverPort))
-    print ("Sent " + tempList[count] + " to server.")
-    result, serverAddress = clientSocket.recvfrom(2048)
-    print ("Received back from Server: ", result.decode())
-    count+=1
-
- clientSocket.close()

UDP Client

- '''
- []
- ['John', 'Francis', 'Amy', 'Jada']
- Sent John to server.
- Received back from Server: JOHN
- Sent Francis to server.
- Received back from Server: FRANCIS
- Sent Amy to server.
- Received back from Server: AMY
- Sent Jada to server.
- Received back from Server: JADA
- '''

UDP Server

- from socket import *
- serverPort = 12004

- serverSocket = socket(AF_INET, SOCK_DGRAM)
- serverSocket.bind(("", serverPort))

- print ("The Make Upper Case Server running over UDP is ready to receive ... ")
- while 1:
  - message, clientAddress = serverSocket.recvfrom(2048)
  - print ("Received from Client: ", message)
  - modifiedMessage = message.upper()
  - serverSocket.sendto(modifiedMessage, clientAddress)
  - print ("Sent back to Client: ", modifiedMessage)