

Lybryant Wright
CSCI 379
Project

CLIENT:

```
1 import socket
2
3 cs = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
4 address = ("127.0.0.1", 542)
5 message = str.encode("CSCI 379 Lybryant Wright's UDP Socket Works!!!")
6 cs.sendto(message, address)
```

SERVER:

```
1 import socket
2
3 port = 542
4 server = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)
5 server.bind(('', port))
6 while True:
7     data, newClient = server.recvfrom(1024)
8     print("New Client Connected: ", newClient)
9     print("Data Received: ", data)
10    print("Converting message to UPPERCASE...")
11    upperMsg = data.upper()
12    print("New Message: ", upperMsg)
13    server.close()
```

MESSAGE RECEIVED:

```
In [1]: runfile('C:/Users/Lybry/Desktop/CSCI 379 SOCKET/serverUDP.py', wdir='C:/Users/Lybry/Desktop/CSCI 379 SOCKET')
New Client Connected: ('127.0.0.1', 58276)
Data Received: b"CSCI 379 Lybryant Wright's UDP Socket Works"
Converting message to UPPERCASE...
New Message: b"CSCI 379 LYBRYANT WRIGHT'S UDP SOCKET WORKS"
```