

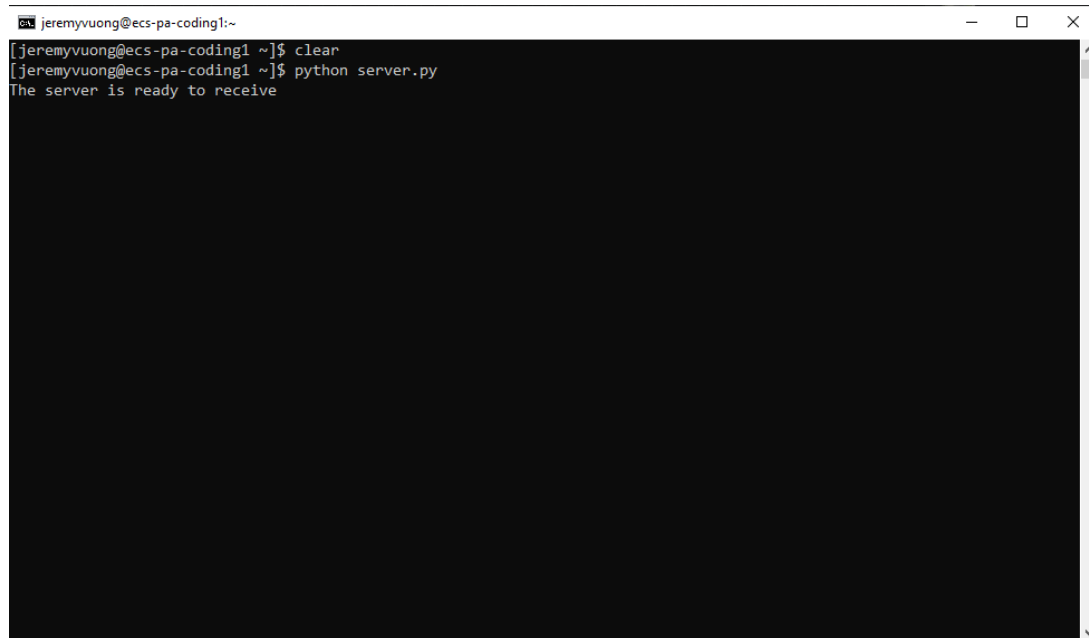
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Course: CSC 138-03
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Socket Programming 1-Class Example

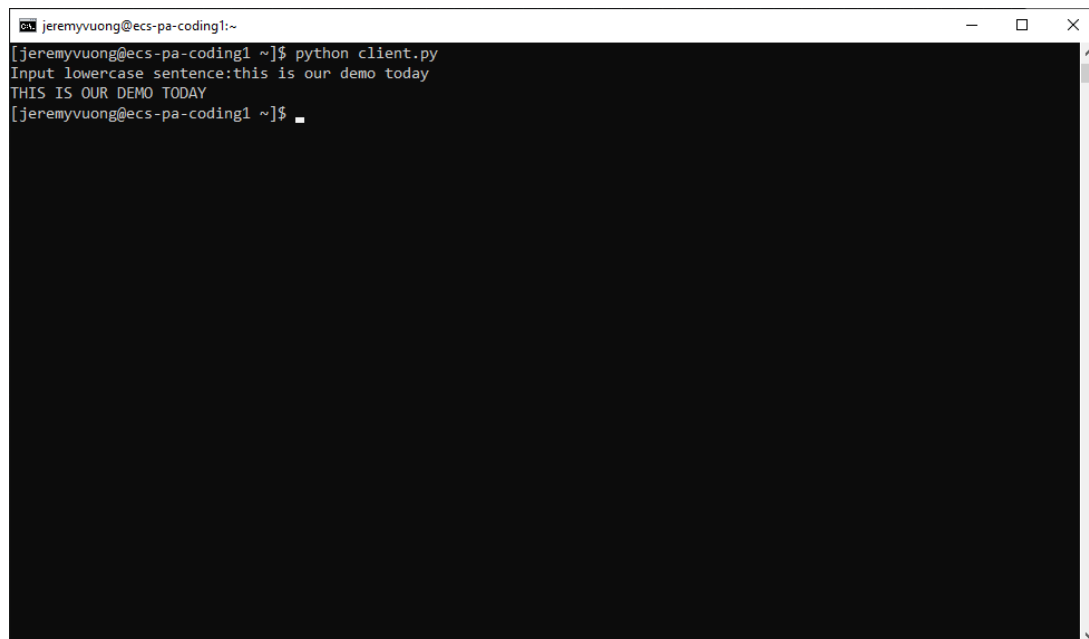
ssh jeremyvuong@ecs-pa-coding1.ecs.csus.edu

terminal#1 → python server.py

terminal#2 → python client.py

A terminal window titled 'jeremyvuong@ecs-pa-coding1:~' with standard window controls. The terminal shows the following commands and output:

```
[jeremyvuong@ecs-pa-coding1 ~]$ clear  
[jeremyvuong@ecs-pa-coding1 ~]$ python server.py  
The server is ready to receive
```

A terminal window titled 'jeremyvuong@ecs-pa-coding1:~' with standard window controls. The terminal shows the following commands and output:

```
[jeremyvuong@ecs-pa-coding1 ~]$ python client.py  
Input lowercase sentence:this is our demo today  
THIS IS OUR DEMO TODAY  
[jeremyvuong@ecs-pa-coding1 ~]$
```

server.py code:

```
from socket import*
serverPort = 12208
serverSocket = socket(AF_INET, SOCK_DGRAM)
serverSocket.bind(('', serverPort))
print 'The server is ready to receive'
while 1:
    message, clientAddress = serverSocket.recvfrom(2048)
    modifiedMessage = message.upper()
    serverSocket.sendto(modifiedMessage, clientAddress)
```

client.py code:

```
from socket import*
serverName = '127.0.0.1'
serverPort = 12208
clientSocket = socket(AF_INET, SOCK_DGRAM)
message = raw_input('Input lowercase sentence:')
clientSocket.sendto(message,(serverName, serverPort))
modifiedMessage, serverAddress = clientSocket.recvfrom(2048)
print modifiedMessage
clientSocket.close()
```