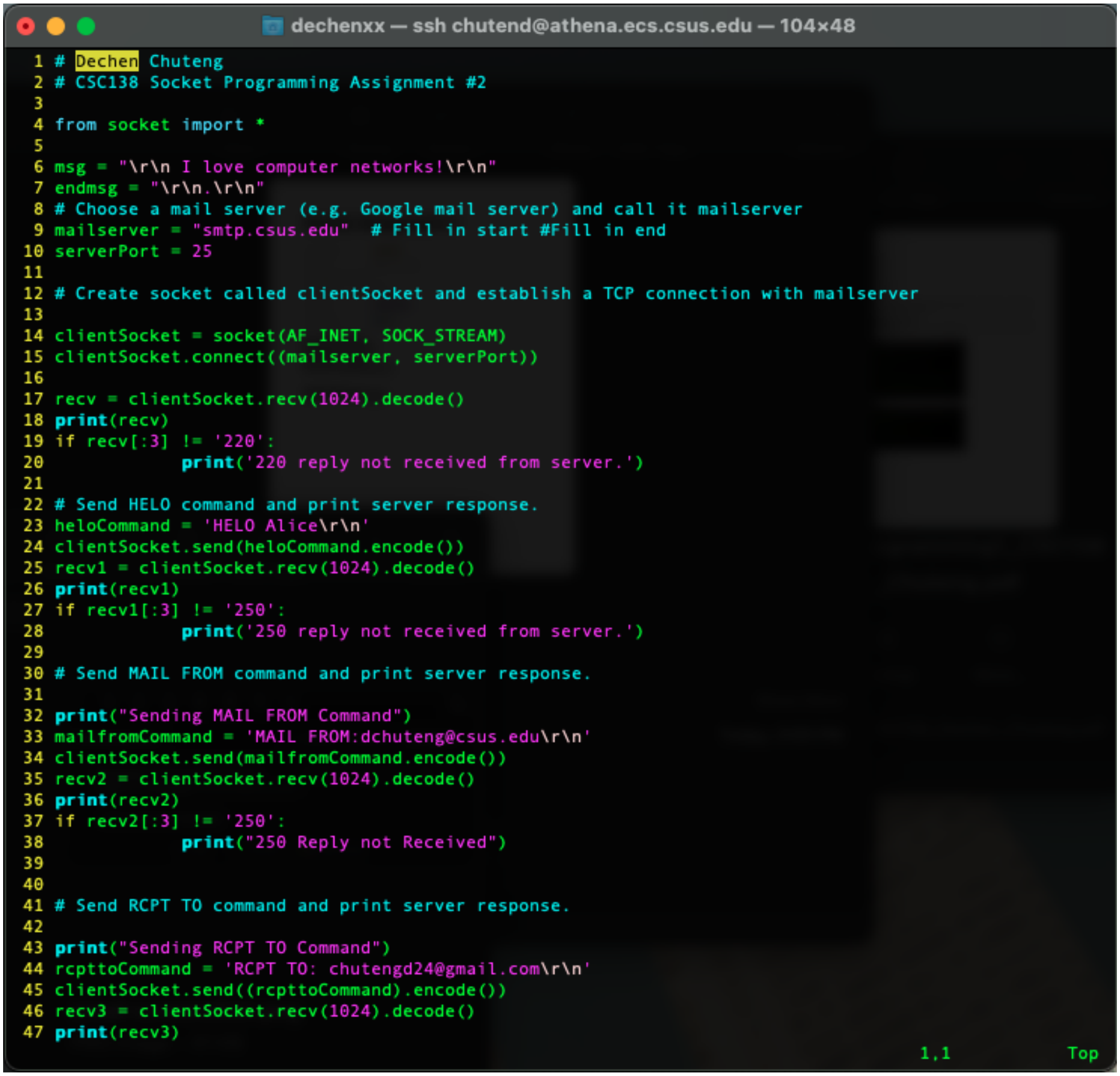
Dechen Chuteng
November 23, 2020
CSC138 — J. Dai
Socket Programming # 2

SMTPClient.py :



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# Dechen Chuteng
# CSC138 Socket Programming Assignment #2

from socket import *

msg = "\r\n I love computer networks!\r\n"
endmsg = "\r\n.\r\n"
# Choose a mail server (e.g. Google mail server) and call it mailserver
mailserver = "smtp.csus.edu"  # Fill in start #Fill in end
serverPort = 25

# Create socket called clientSocket and establish a TCP connection with mailserver

clientSocket = socket(AF_INET, SOCK_STREAM)
clientSocket.connect((mailserver, serverPort))

recv = clientSocket.recv(1024).decode()
print(recv)
if recv[:3] != '220':
            print('220 reply not received from server.')

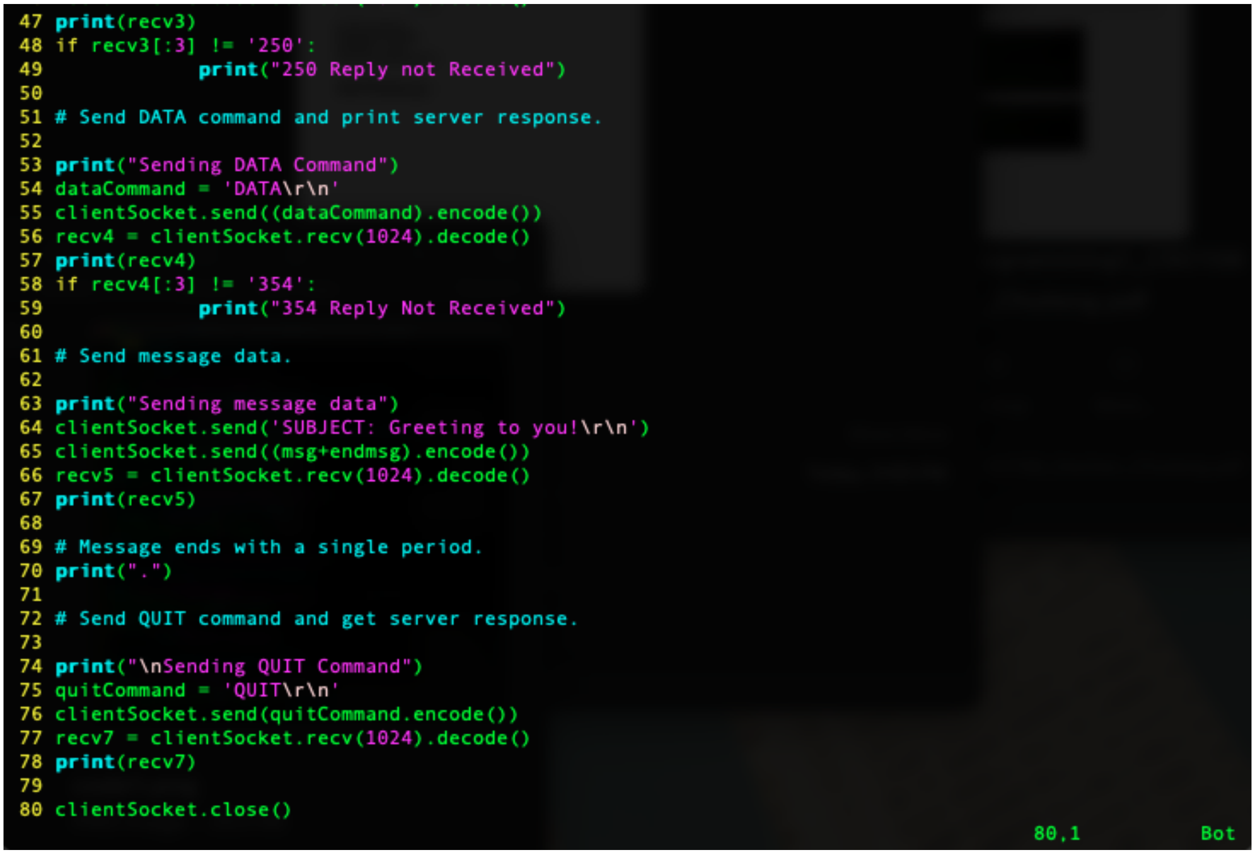
# Send HELO command and print server response.
heloCommand = 'HELO Alice\r\n'
clientSocket.send(heloCommand.encode())
recv1 = clientSocket.recv(1024).decode()
print(recv1)
if recv1[:3] != '250':
            print('250 reply not received from server.')

# Send MAIL FROM command and print server response.

print("Sending MAIL FROM Command")
mailfromCommand = 'MAIL FROM:dchuteng@csus.edu\r\n'
clientSocket.send(mailfromCommand.encode())
recv2 = clientSocket.recv(1024).decode()
print(recv2)
if recv2[:3] != '250':
            print("250 Reply not Received")


# Send RCPT TO command and print server response.

print("Sending RCPT TO Command")
rcpttoCommand = 'RCPT TO: chutengd24@gmail.com\r\n'
clientSocket.send((rcpttoCommand).encode())
recv3 = clientSocket.recv(1024).decode()
print(recv3)
```



```
print(recv3)
if recv3[:3] != '250':
            print("250 Reply not Received")

# Send DATA command and print server response.

print("Sending DATA Command")
dataCommand = 'DATA\r\n'
clientSocket.send((dataCommand).encode())
recv4 = clientSocket.recv(1024).decode()
print(recv4)
if recv4[:3] != '354':
            print("354 Reply Not Received")

# Send message data.

print("Sending message data")
clientSocket.send('SUBJECT: Greeting to you!\r\n')
clientSocket.send((msg+endmsg).encode())
recv5 = clientSocket.recv(1024).decode()
print(recv5)

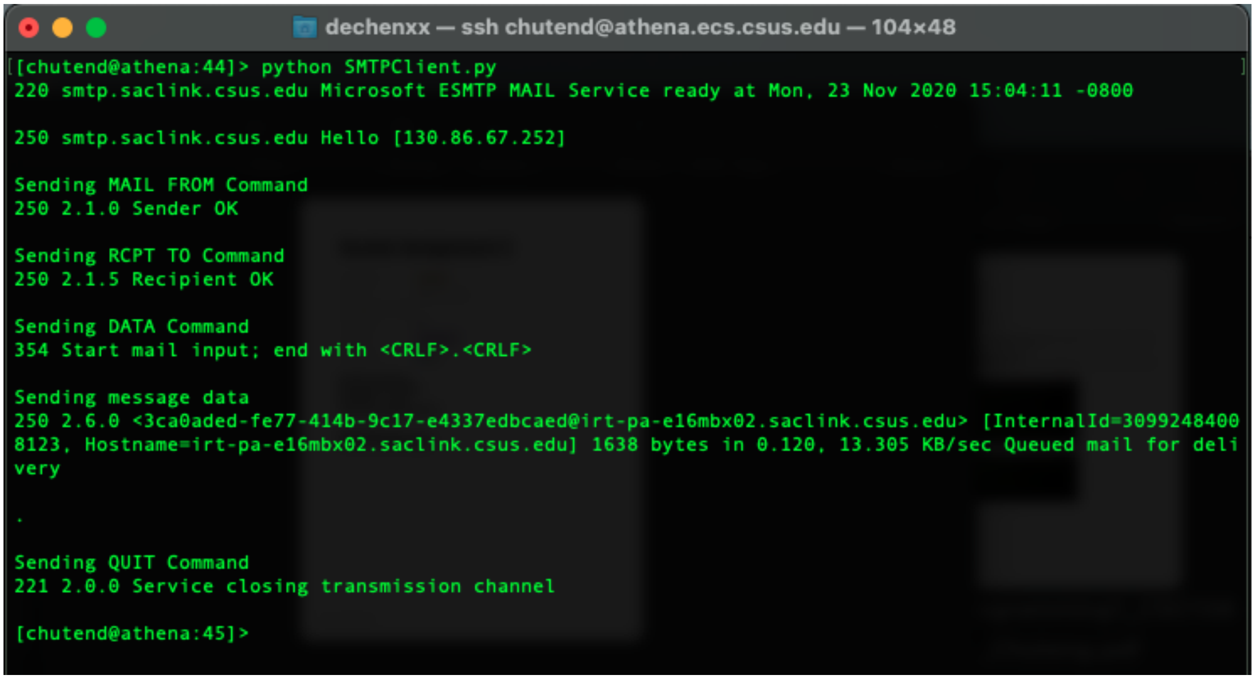
# Message ends with a single period.
print(".")

# Send QUIT command and get server response.

print("\nSending QUIT Command")
quitCommand = 'QUIT\r\n'
clientSocket.send(quitCommand.encode())
recv7 = clientSocket.recv(1024).decode()
print(recv7)

clientSocket.close()
                                                                    80,1          Bot
```

Screenshot of SMTPClient :



```
[chutend@athena:44]> python SMTPClient.py
220 smtp.saclink.csus.edu Microsoft ESMTP MAIL Service ready at Mon, 23 Nov 2020 15:04:11 -0800

250 smtp.saclink.csus.edu Hello [130.86.67.252]

Sending MAIL FROM Command
250 2.1.0 Sender OK

Sending RCPT TO Command
250 2.1.5 Recipient OK

Sending DATA Command
354 Start mail input; end with <CRLF>.<CRLF>

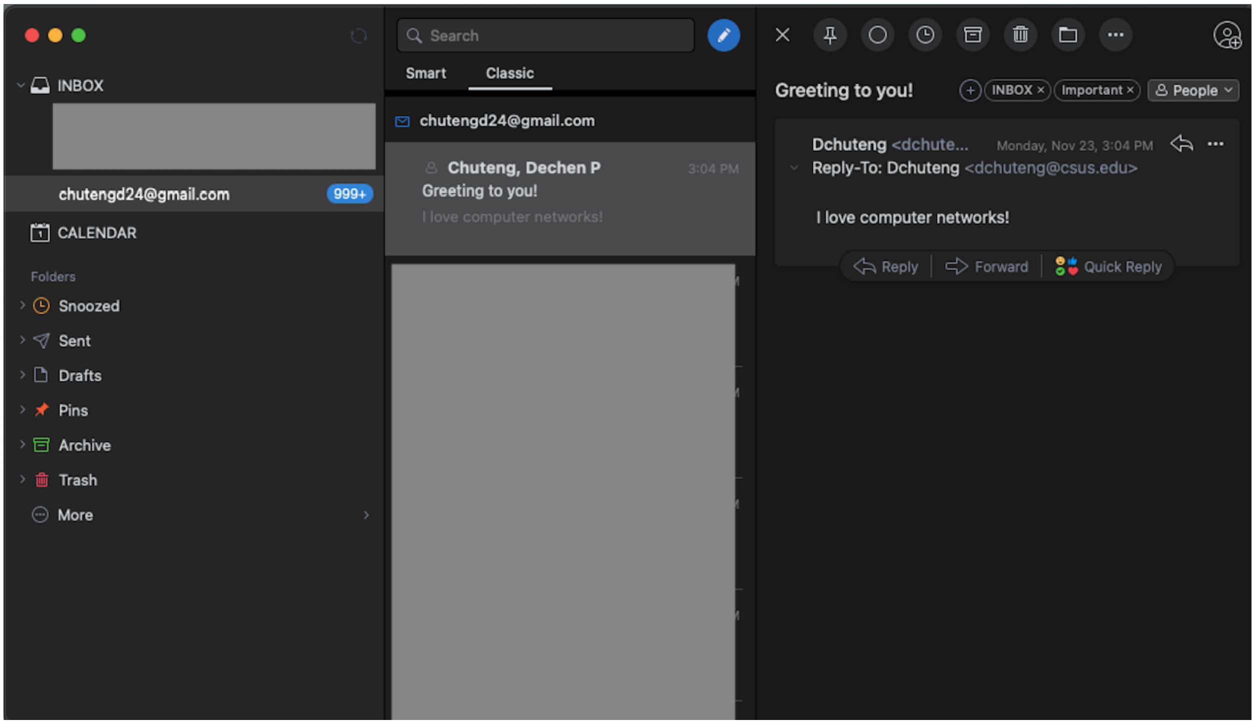
Sending message data
250 2.6.0 <3ca0aded-fe77-414b-9c17-e4337edbcaed@irt-pa-e16mbx02.saclink.csus.edu> [InternalId=3099248400
8123, Hostname=irt-pa-e16mbx02.saclink.csus.edu] 1638 bytes in 0.120, 13.305 KB/sec Queued mail for deli
very

.

Sending QUIT Command
221 2.0.0 Service closing transmission channel

[chutend@athena:45]>
```

Screenshot of email :



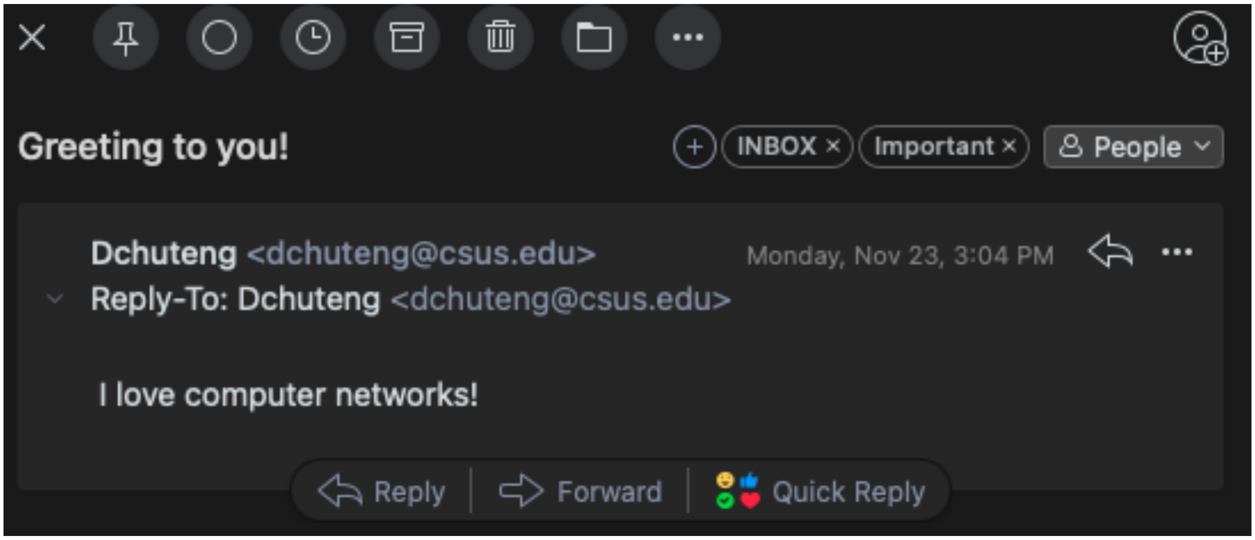
chutengd24@gmail.com

Chuteng, Dechen P 3:04 PM
Greeting to you!
I love computer networks!

Greeting to you!

Dchuteng <dchute... Monday, Nov 23, 3:04 PM
Reply-To: Dchuteng <dchuteng@csus.edu>

I love computer networks!



Greeting to you!

Dchuteng <dchuteng@csus.edu> Monday, Nov 23, 3:04 PM
Reply-To: Dchuteng <dchuteng@csus.edu>

I love computer networks!