

Youser Alalusi

11/21/2021

Socket Programming 3

```
from socket import *

msg = '\r\n I love computer networks!'

endmsg = '\r\n.\r\n'

mailserver = 'gaia.ecs.csus.edu'

clientSocket = socket(AF_INET, SOCK_STREAM)

clientSocket.connect((mailserver, 25))
#double check mail server

recv = clientSocket.recv(1024)

print recv

if recv[:3] != '220':
    print '220 reply not recieved from server.'

heloCommand = 'HELO gaia.ecs.csus.edu\r\n'

clientSocket.send(heloCommand)

recv1 = clientSocket.recv(1024)

print recv1

if recv1[:3] != '250':
    print 'The server did not recieve 250.'

mailfrom = 'Mail From: <youser.alalusi@csus.edu>\r\n'

clientSocket.send(mailfrom)

recv2 = clientSocket.recv(1024)

print recv2

if recv2[:3] != '250':
    print 'The server did not recieve 250.'

rcpTo = 'RCPT TO: <youser.alalusi@csus.edu>\r\n'

clientSocket.send(rcpTo)
```

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```
recv3 = clientSocket.recv(1024)
```

```
print recv3
```

```
if recv3[:3] != '250':  
    print 'The server did not recieve 250.'
```

```
data = 'DATA\r\n'
```

```
clientSocket.send(data)
```

```
recv4 = clientSocket.recv(1024)
```

```
print recv4
```

```
if recv4[:3] != '354':  
    print 'Ther server did not recieve 354.'
```

```
clientSocket.send(msg)
```

```
clientSocket.send(endmsg)
```

```
recv5 = clientSocket.recv(1024)
```

```
print recv5
```

```
if recv5[:3] != '250':  
    print 'The server did not recieve 250.'
```

```
quitCommand = 'Quit\r\n'
```

```
clientSocket.send(quitCommand)
```

```
recv6 = clientSocket.recv(1024)
```

```
print recv6
```

```
if recv6[:3] != '221':  
    print 'The server did to recieve 221.'
```

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```
athena.ecs.csus.edu - PuTTY
[alalusiy@athena:35]> cd socketprog3
[alalusiy@athena:36]> python SMTP_Client.py
220 gaia.ecs.csus.edu ESMTP Sendmail 8.14.4/8.13.1; Sun, 21 Nov 2021 13:47:25 -0800

250 gaia.ecs.csus.edu Hello athena.ecs.csus.edu [130.86.67.252], pleased to meet you

250 2.1.0 <youser.alalusi@csus.edu>... Sender ok

250 2.1.5 <youser.alalusi@csus.edu>... Recipient ok

354 Enter mail, end with "." on a line by itself

250 2.0.0 1ALL1PZM026302 Message accepted for delivery

221 2.0.0 gaia.ecs.csus.edu closing connection

[alalusiy@athena:37]> 
```



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1:51 PM

To: Alalusi, Youser

I love computer networks!