Python SMTP

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Code

```
from socket import *
import base64
import ssl

msg = "\r\n I love computer networks!"
endmsg = "\r\n.\r\n"

#Fill in start
mailserver = 'smtp.qq.com'
mailport = 465
#Fill in end

# Fill in start
clientSocket = socket(AF_INET, SOCK_STREAM)
sslsocket = ssl.wrap_socket(clientSocket)
sslsocket.connect((mailserver, mailport))
#Fill in end

recv1 = sslsocket.recv(1024).decode()
print recv1
if recv1[:3] != '220':
    print '220 reply not received from server.'

# Send HELO command and pritn server response

heloCommand = 'HELO Ze\r\n'
sslsocket.send(heloCommand)
recv2 = sslsocket.recv(1024).decode()
print recv2

if recv2[:3] != '250':
    print '250 reply not received from server.'

# Send MAIL FROM command and print server response.

# Fill in start
au_login = "AUTH LOGIN\r\n"
sslsocket.send(au_login.encode("utf-8"))
```

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recv3 = sslsocket.recv(1024).decode()
print(recv3)

au_user = base64.b64encode("87631834@qq.com".encode("utf-8"))
sslsocket.send(au_user + "\r\n".encode("utf-8"))
recv4 = sslsocket.recv(1024).decode()
print(recv4)

au_pw = base64.b64encode("Kataku20062339".encode("utf-8"))
sslsocket.send(au_pw + "\r\n".encode("utf-8"))
recv5 = sslsocket.recv(1024).decode()
print(recv5)

mailFrom = 'MAIL FROM: <87631834@qq.com>\r\n'
sslsocket.send(mailFrom)
recv6 = sslsocket.recv(1024).decode()
print recv6

if recv6[:3] != '250':
    print '250 reply not received from server.'
# Fill in end
# Send RCPT TO command and print server response.
# Fill in start
recipientTo = 'RCPT TO: <zh700@nyu.edu>\r\n'
sslsocket.send(recipientTo)
recv7 = sslsocket.recv(1024).decode()
print recv7
if recv7[:3] != '250':
    print '250 reply not received from server.'
# Fill in end
# Send DATA command and print server response.
# Fill in start
sendingDataCommand = 'DATA\r\n'
print sendingDataCommand
sslsocket.send(sendingDataCommand)
recv8 = sslsocket.recv(1024).decode()
print recv8
if recv8[:3] == '250':
    print '250 reply not received from server.'
# Fill in end
# Send message data.
# Fill in start
sslsocket.send( msg + endmsg )
recv9 = sslsocket.recv(1024).decode()
```

```
print recv9
if recv9[:3] != '250':
    print '250 reply not received from server.'
# Fill in end
# Send QUIT command and get server response.
# Fill in start
quitMessage = 'QUIT\r\n'
print quitMessage
sslsocket.send(quitMessage)
recv10 = sslsocket.recv(1024).decode()
print recv10
if recv10[:3] != '250':
    print '250 reply not received from server.'
# Fill in end
```

Screemshots:

```
220 smtp.qq.com Esmtp QQ Mail Server

250 smtp.qq.com

334 VXNlcm5hbWU6

334 UGFzc3dvcmQ6

235 Authentication successful

250 Ok

250 Ok

DATA

354 End data with <CR><LF>.<CR><LF>

250 Ok: queued as

QUIT

221 Bye
```