

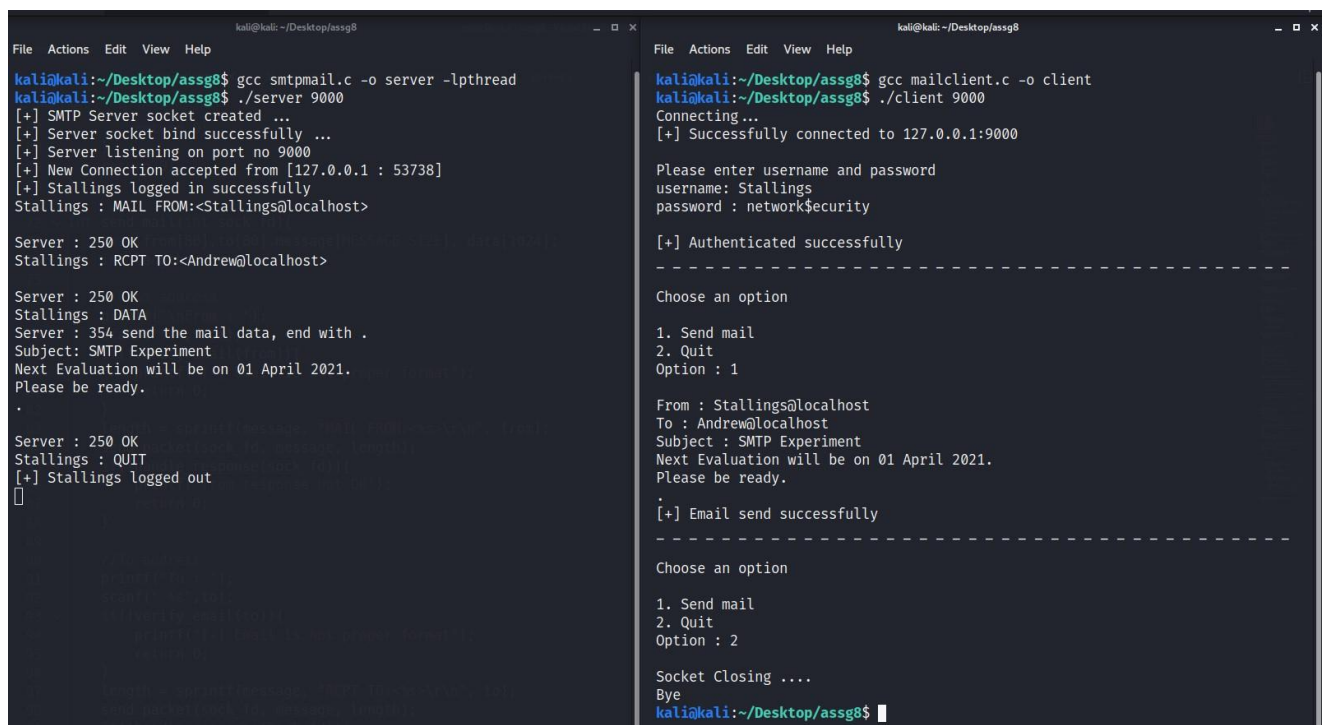
EXPERIMENT - 8

For compiling smtpclient.c:

```
gcc smtpclient.c -o server -lpthread  
./server port_no
```

For compiling mailclient.c

```
gcc mailclient.c -o client  
./client port_no
```

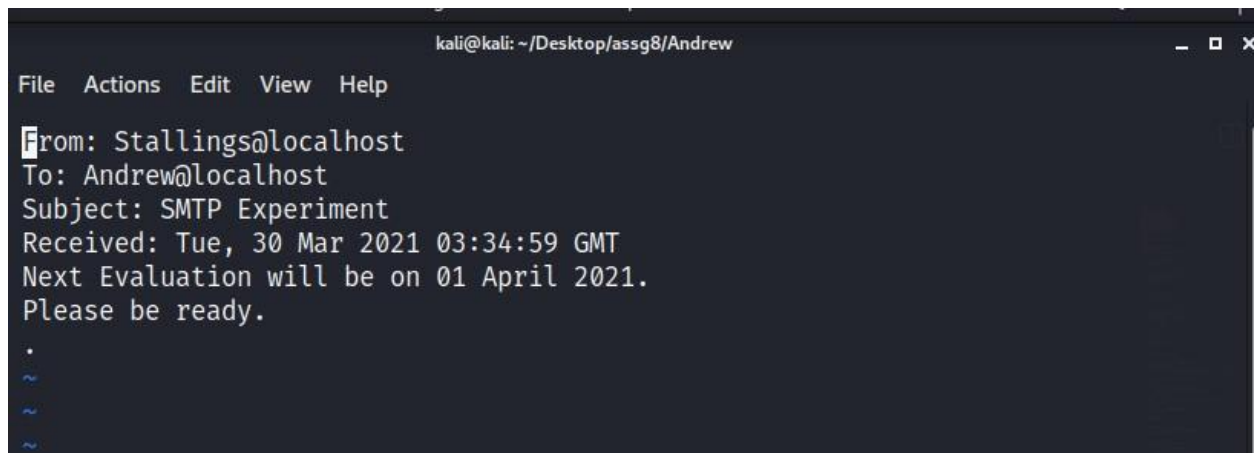


The image shows two terminal windows side-by-side. The left window shows the server program running, and the right window shows the client program running.

```
kali@kali: ~/Desktop/assg8  
File Actions Edit View Help  
kali@kali:~/Desktop/assg8$ gcc smtpmail.c -o server -lpthread  
kali@kali:~/Desktop/assg8$ ./server 9000  
[+] SMTP Server socket created ...  
[+] Server socket bind successfully ...  
[+] Server listening on port no 9000  
[+] New Connection accepted from [127.0.0.1 : 53738]  
[+] Stallings logged in successfully  
Stallings : MAIL FROM:<Stallings@localhost>  
  
Server : 250 OK  
Stallings : RCPT TO:<Andrew@localhost>  
  
Server : 250 OK  
Stallings : DATA  
Server : 354 send the mail data, end with .  
Subject: SMTP Experiment  
Next Evaluation will be on 01 April 2021.  
Please be ready.  
.  
  
Server : 250 OK  
Stallings : QUIT  
[+] Stallings logged out  
█
```

```
kali@kali:~/Desktop/assg8$ gcc mailclient.c -o client  
kali@kali:~/Desktop/assg8$ ./client 9000  
Connecting ...  
[+] Successfully connected to 127.0.0.1:9000  
  
Please enter username and password  
username: Stallings  
password : network$ecurity  
  
[+] Authenticated successfully  
  
-----  
Choose an option  
  
1. Send mail  
2. Quit  
Option : 1  
  
From : Stallings@localhost  
To : Andrew@localhost  
Subject : SMTP Experiment  
Next Evaluation will be on 01 April 2021.  
Please be ready.  
.  
[+] Email send successfully  
  
-----  
Choose an option  
  
1. Send mail  
2. Quit  
Option : 2  
  
Socket Closing ....  
Bye  
kali@kali:~/Desktop/assg8$ █
```

Mail written to Andrew/mymailbox.mail is shown below:



The image shows a terminal window displaying the contents of a mail file.

```
kali@kali: ~/Desktop/assg8/Andrew  
File Actions Edit View Help  
From: Stallings@localhost  
To: Andrew@localhost  
Subject: SMTP Experiment  
Received: Tue, 30 Mar 2021 03:34:59 GMT  
Next Evaluation will be on 01 April 2021.  
Please be ready.  
.  
~  
~  
~
```