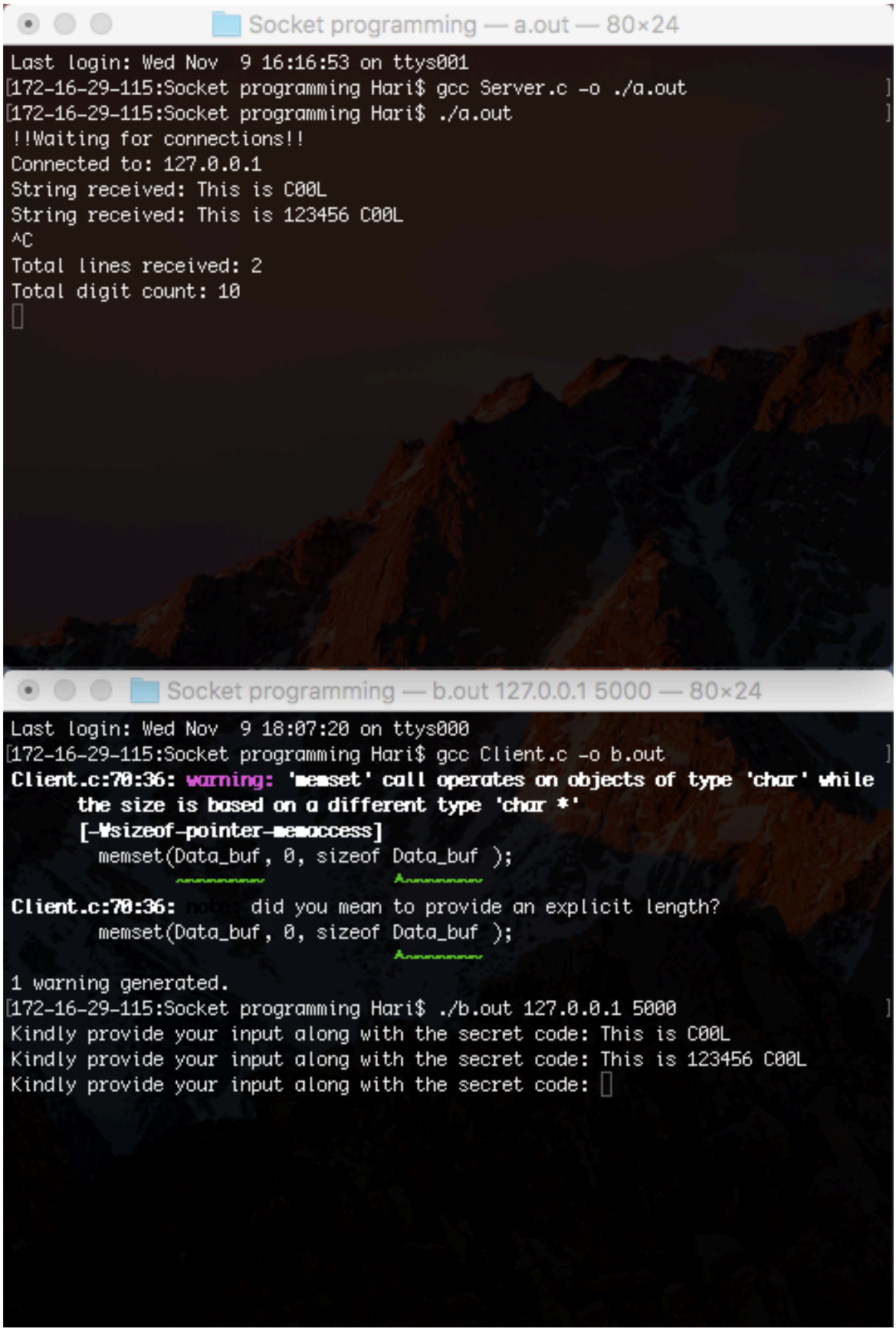
Read me file:

Steps to execute the code:

1. Open two terminals
2. On the first terminal navigate to the location of the code and run: gcc Server.c -o ./a.out
3. On the second terminal navigate to the location of the code and run: gcc Client.c -o ./b.out
4. Once the executables are ready execute ./a.out, you should now see a prompt !!Waiting for Connection!!
5. Now run ./b.out with the ip address and 5000(port number) as the argument
6. Now input the content along with the secret code.
7. You should see the inputed content displayed on the second window.
8. Secrets.out file will also be generated with the alpha numeric count and the text.

Please find the snap shot of the output attached:

PS: The Secret Key used is C00L and not Cool.


Socket programming — a.out — 80×24
Last login: Wed Nov 9 16:16:53 on ttys001
172-16-29-115:Socket programming Hari$ gcc Server.c -o ./a.out
172-16-29-115:Socket programming Hari$ ./a.out
!!Waiting for connections!!
Connected to: 127.0.0.1
String received: This is C00L
String received: This is 123456 C00L
^C
Total lines received: 2
Total digit count: 10
Socket programming — b.out 127.0.0.1 5000 — 80×24
Last login: Wed Nov 9 18:07:20 on ttys000
172-16-29-115:Socket programming Hari$ gcc Client.c -o b.out
Client.c:70:36: warning: 'memset' call operates on objects of type 'char' while the size is based on a different type 'char *'
[-Wsizeof-pointer-memaccess]
memset(Data_buf, 0, sizeof Data_buf );
Client.c:70:36: note: did you mean to provide an explicit length?
memset(Data_buf, 0, sizeof Data_buf );
1 warning generated.
172-16-29-115:Socket programming Hari$ ./b.out 127.0.0.1 5000
Kindly provide your input along with the secret code: This is C00L
Kindly provide your input along with the secret code: This is 123456 C00L
Kindly provide your input along with the secret code: