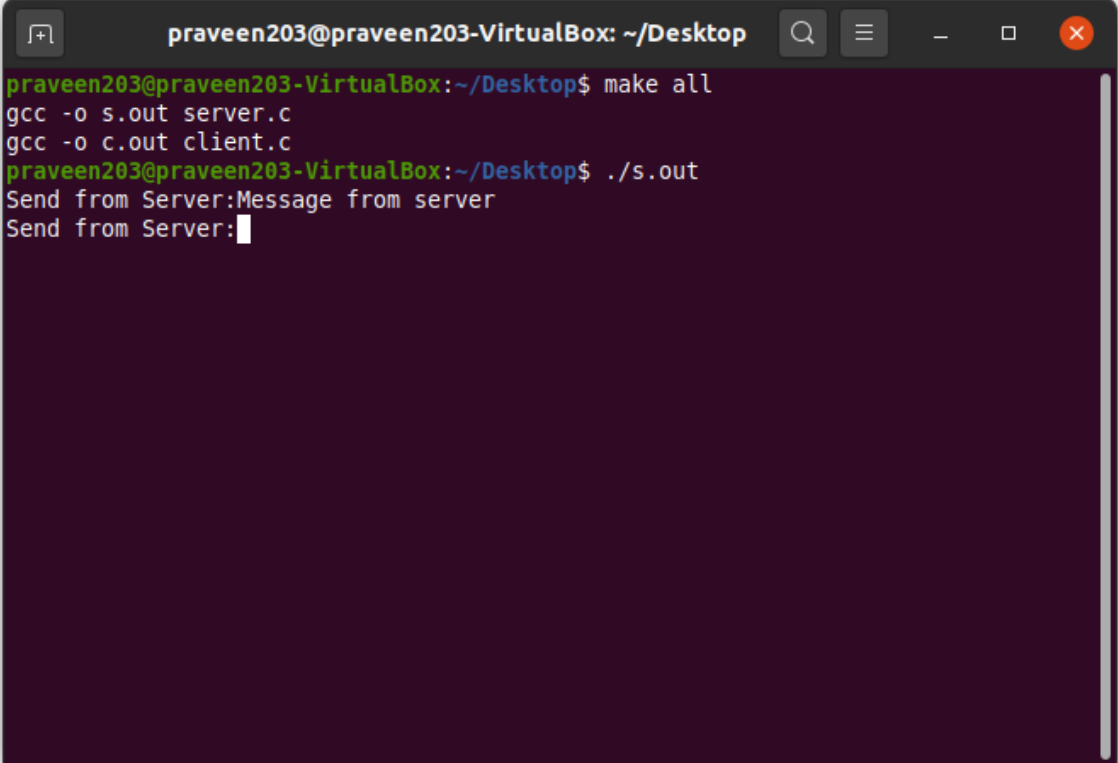


Computer networks lab 4

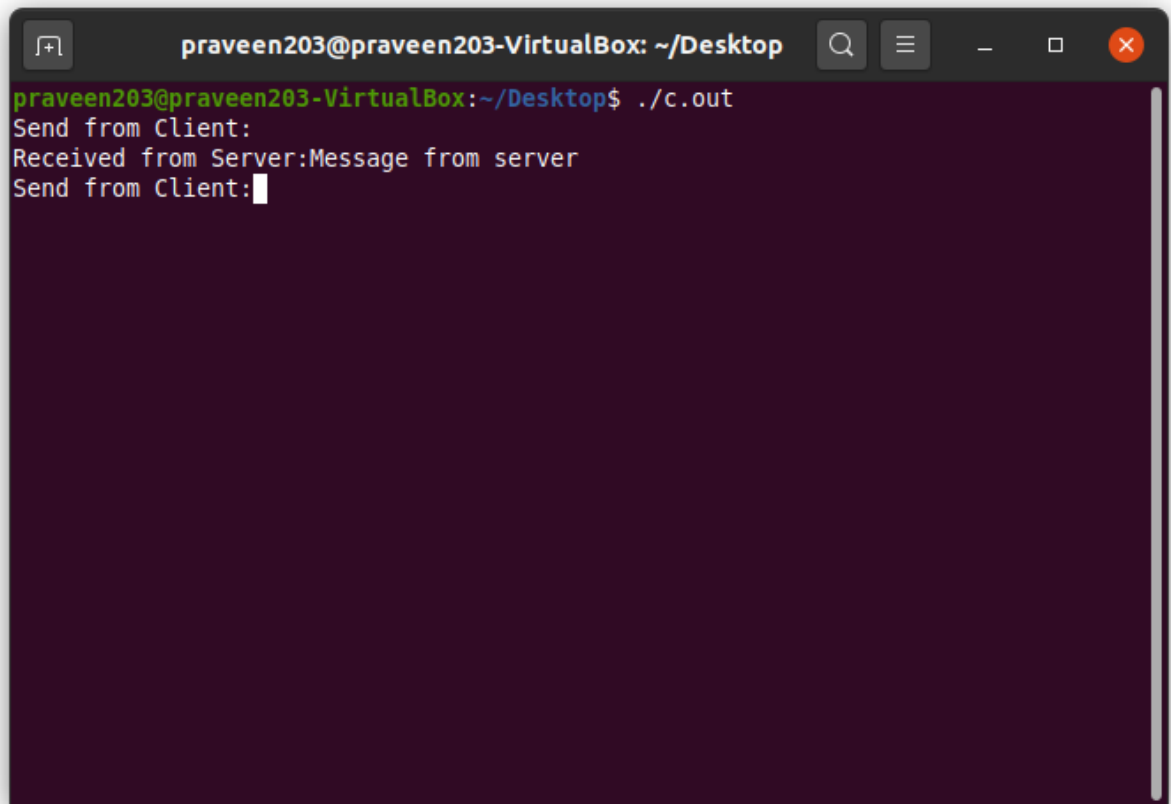
1. Text message typed on the server terminal to be sent to the client



```
praveen203@praveen203-VirtualBox: ~/Desktop
praveen203@praveen203-VirtualBox:~/Desktop$ make all
gcc -o s.out server.c
gcc -o c.out client.c
praveen203@praveen203-VirtualBox:~/Desktop$ ./s.out
Send from Server:Message from server
Send from Server:
```

The image shows a terminal window titled "praveen203@praveen203-VirtualBox: ~/Desktop". The user has executed the following commands: `make all`, `gcc -o s.out server.c`, `gcc -o c.out client.c`, and `./s.out`. The output of the program is "Send from Server:Message from server", followed by a new line "Send from Server:" with a cursor. The terminal has a dark purple background and a light gray scrollbar on the right.

2. Display of servers's sent message on client terminal

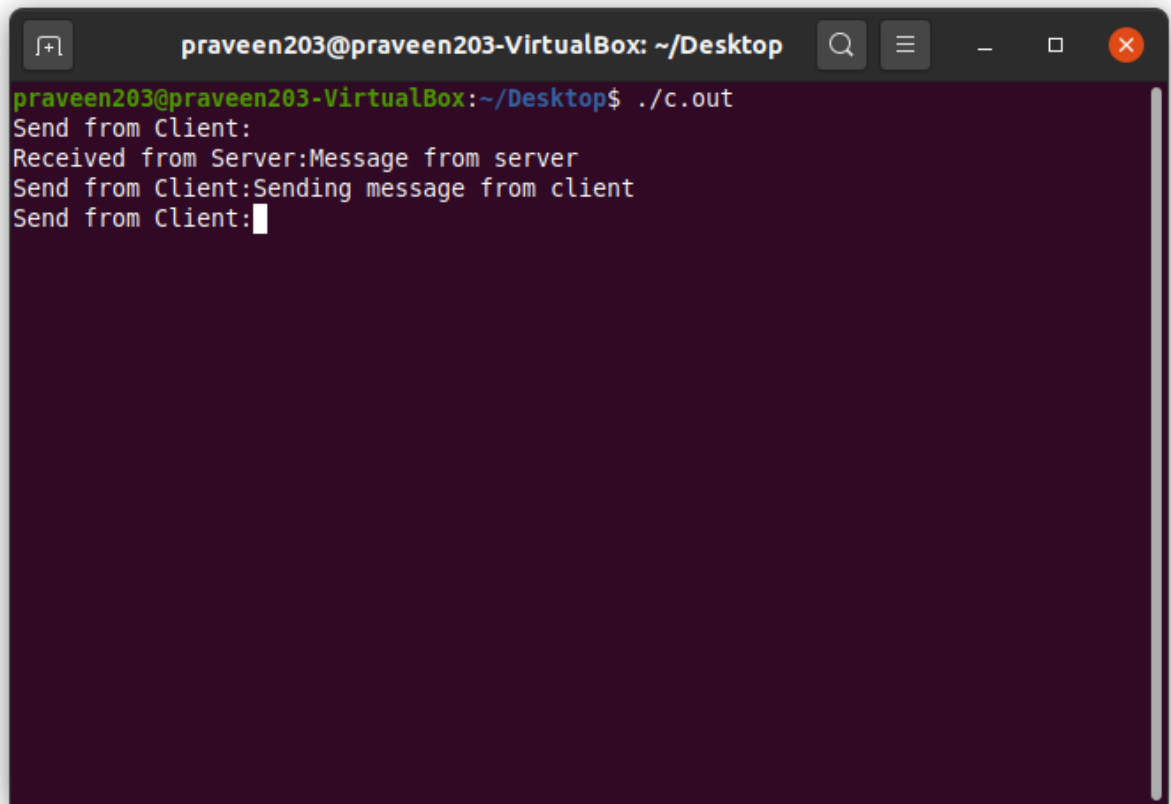


A screenshot of a terminal window titled "praveen203@praveen203-VirtualBox: ~/Desktop". The terminal has a dark purple background and displays the following text:

```
praveen203@praveen203-VirtualBox:~/Desktop$ ./c.out
Send from Client:
Received from Server:Message from server
Send from Client:
```

The prompt "praveen203@praveen203-VirtualBox:~/Desktop\$" is shown in green. The output lines are in white. The last line "Send from Client:" has a white cursor at the end.

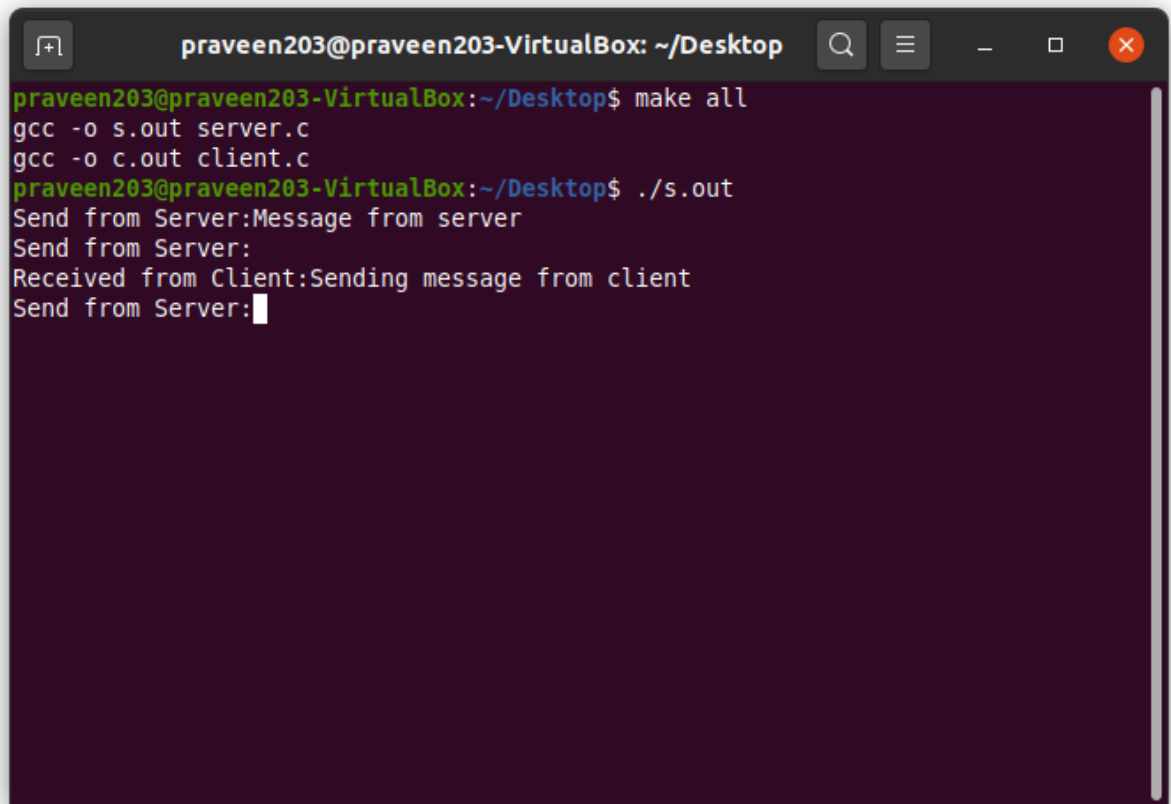
3. Text message typed on client terminal to be sent to server



```
praveen203@praveen203-VirtualBox: ~/Desktop
praveen203@praveen203-VirtualBox:~/Desktop$ ./c.out
Send from Client:
Received from Server:Message from server
Send from Client:Sending message from client
Send from Client:
```

The image shows a terminal window titled "praveen203@praveen203-VirtualBox: ~/Desktop". The terminal output shows a sequence of network messages. It starts with the command `./c.out` being executed. The output shows "Send from Client:" followed by "Received from Server:Message from server". Then, "Send from Client:Sending message from client" is shown, and finally, "Send from Client:" is shown with a cursor at the end, indicating the program is waiting for input.

4. Display of client message on server terminal

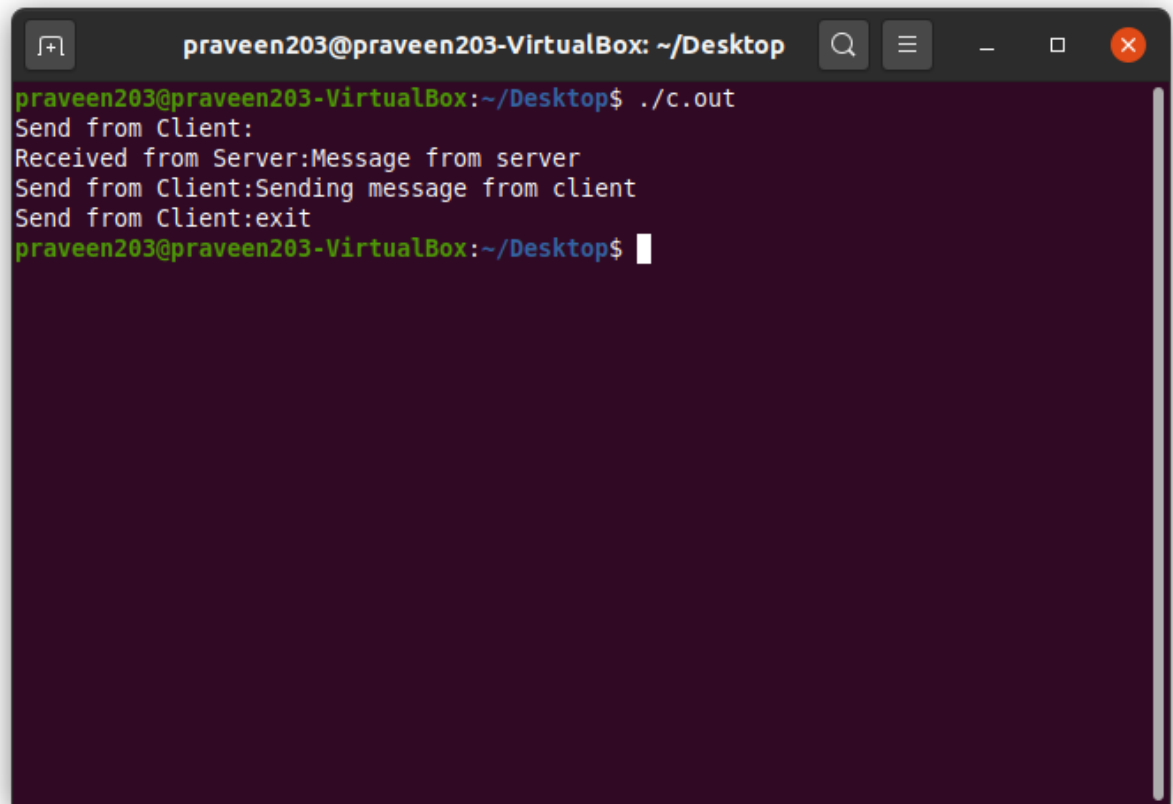


```
praveen203@praveen203-VirtualBox: ~/Desktop
praveen203@praveen203-VirtualBox:~/Desktop$ make all
gcc -o s.out server.c
gcc -o c.out client.c
praveen203@praveen203-VirtualBox:~/Desktop$ ./s.out
Send from Server:Message from server
Send from Server:
Received from Client:Sending message from client
Send from Server:█
```

The image shows a terminal window titled "praveen203@praveen203-VirtualBox: ~/Desktop". The user has executed the following commands: `make all`, `gcc -o s.out server.c`, `gcc -o c.out client.c`, and `./s.out`. The output of the program shows the server sending a message, then receiving a message from the client, and finally sending another message. The terminal text is as follows:

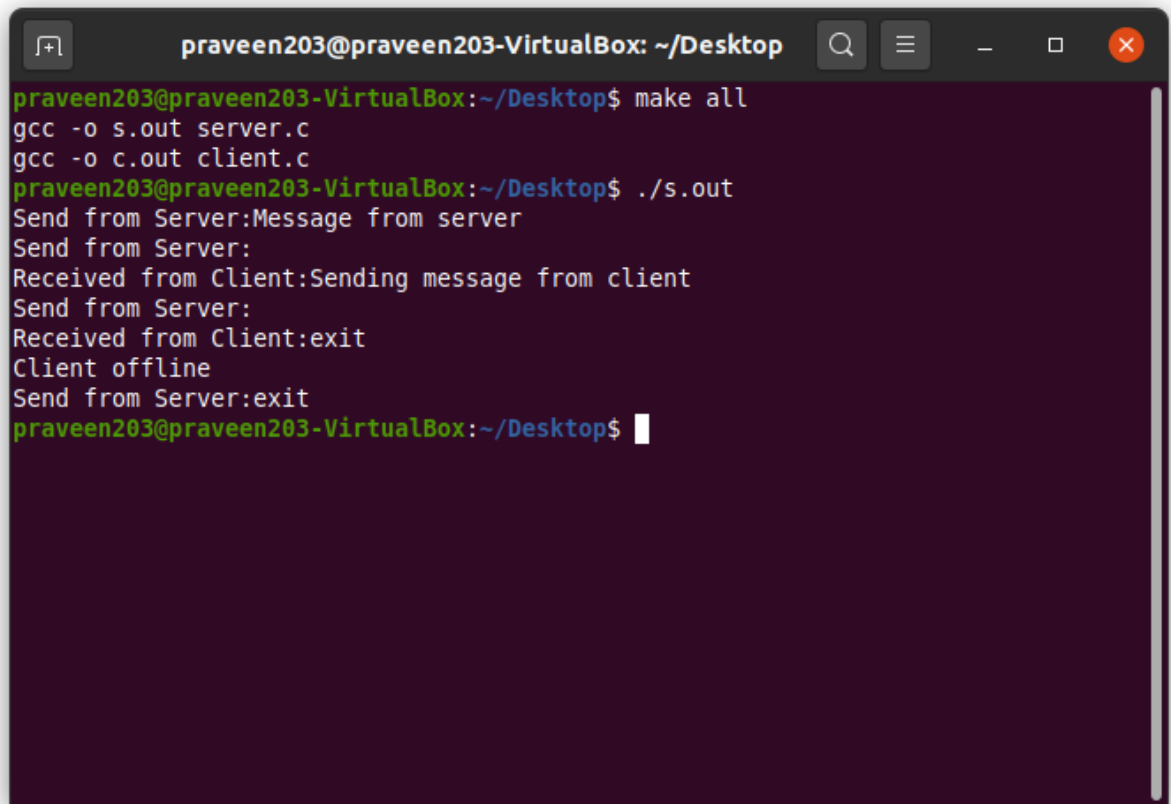
```
praveen203@praveen203-VirtualBox:~/Desktop$ make all
gcc -o s.out server.c
gcc -o c.out client.c
praveen203@praveen203-VirtualBox:~/Desktop$ ./s.out
Send from Server:Message from server
Send from Server:
Received from Client:Sending message from client
Send from Server:█
```

5. Exit client terminal

A terminal window titled 'praveen203@praveen203-VirtualBox: ~/Desktop' with standard window controls. The terminal shows the execution of a client program. The prompt is 'praveen203@praveen203-VirtualBox:~/Desktop\$'. The user enters './c.out'. The program outputs 'Send from Client:', 'Received from Server:Message from server', 'Send from Client:Sending message from client', and 'Send from Client:exit'. The prompt returns to 'praveen203@praveen203-VirtualBox:~/Desktop\$' with a cursor.

```
praveen203@praveen203-VirtualBox:~/Desktop$ ./c.out
Send from Client:
Received from Server:Message from server
Send from Client:Sending message from client
Send from Client:exit
praveen203@praveen203-VirtualBox:~/Desktop$
```

6. Exit server terminal



```
praveen203@praveen203-VirtualBox: ~/Desktop
praveen203@praveen203-VirtualBox:~/Desktop$ make all
gcc -o s.out server.c
gcc -o c.out client.c
praveen203@praveen203-VirtualBox:~/Desktop$ ./s.out
Send from Server:Message from server
Send from Server:
Received from Client:Sending message from client
Send from Server:
Received from Client:exit
Client offline
Send from Server:exit
praveen203@praveen203-VirtualBox:~/Desktop$
```

Praveen Sridhar
2018A7PS0166G