WELCOME TO THE
"Local-Chat SW" MANUEL :

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**features of the programme

**how to launch the program using terminal commands

1-features of the program :

+the "local-chat SW" offers you a local chat service , which you can send and receive messages as a client/server .

+you can send multiple messages without any interruption .

+you are connected to the server using the machine IP (127.0.0.1) and a port given by the server side (exp : 9999) .

+for exiting the program , closing the terminal is enough for terminating the process .

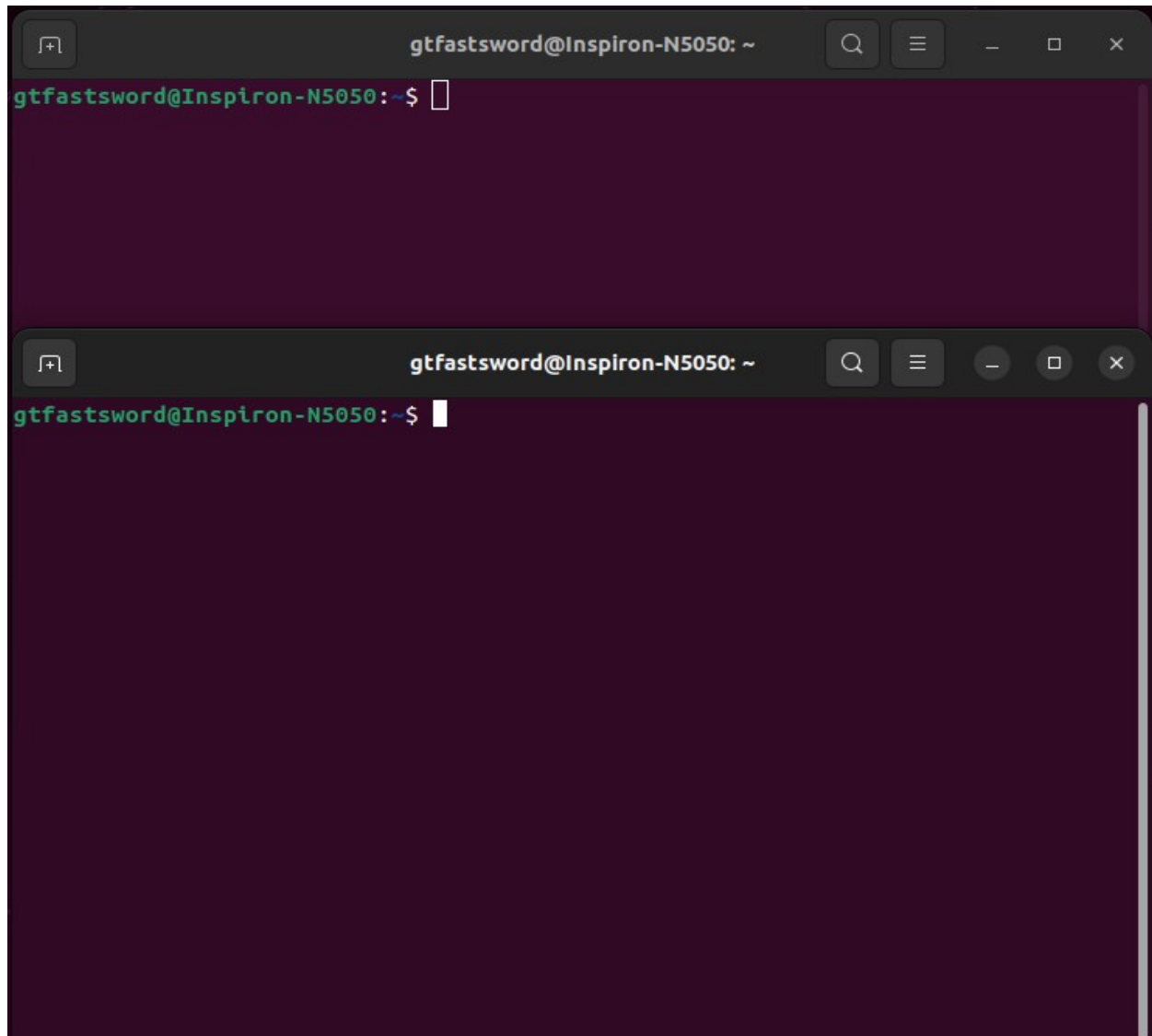+providing the machine IP and the port number is crucial for the execution of the program.

+this program works in a "Linux" environment.

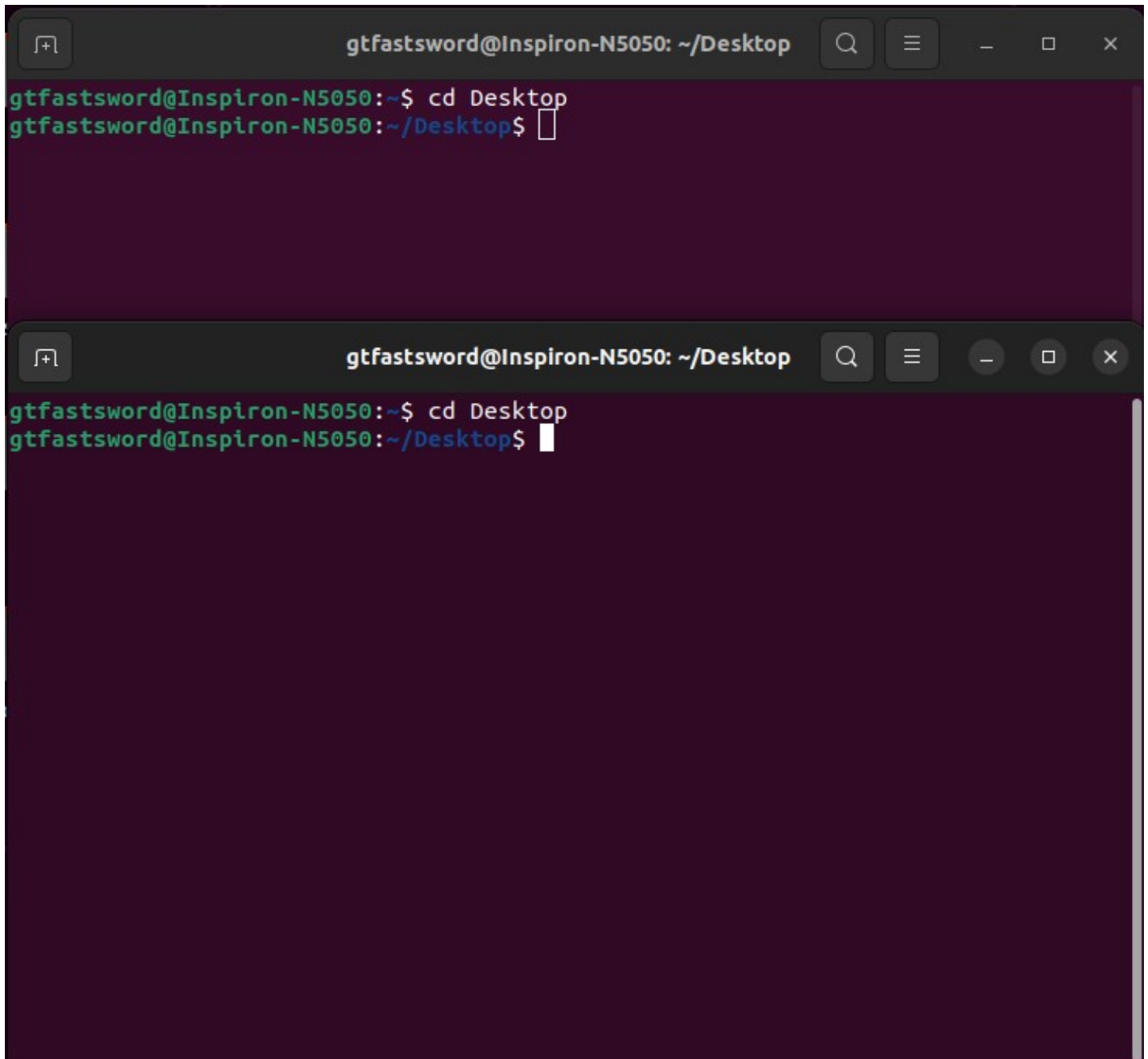# 2-how to launch the program using terminal commands :

the zip file contain 2 " ".c files and 2 compiled files of the program .

///-using the "code-name".c method :

1- run 2 separated terminal windows :

2-navigate to the extracted zip file directory using " cd " command :
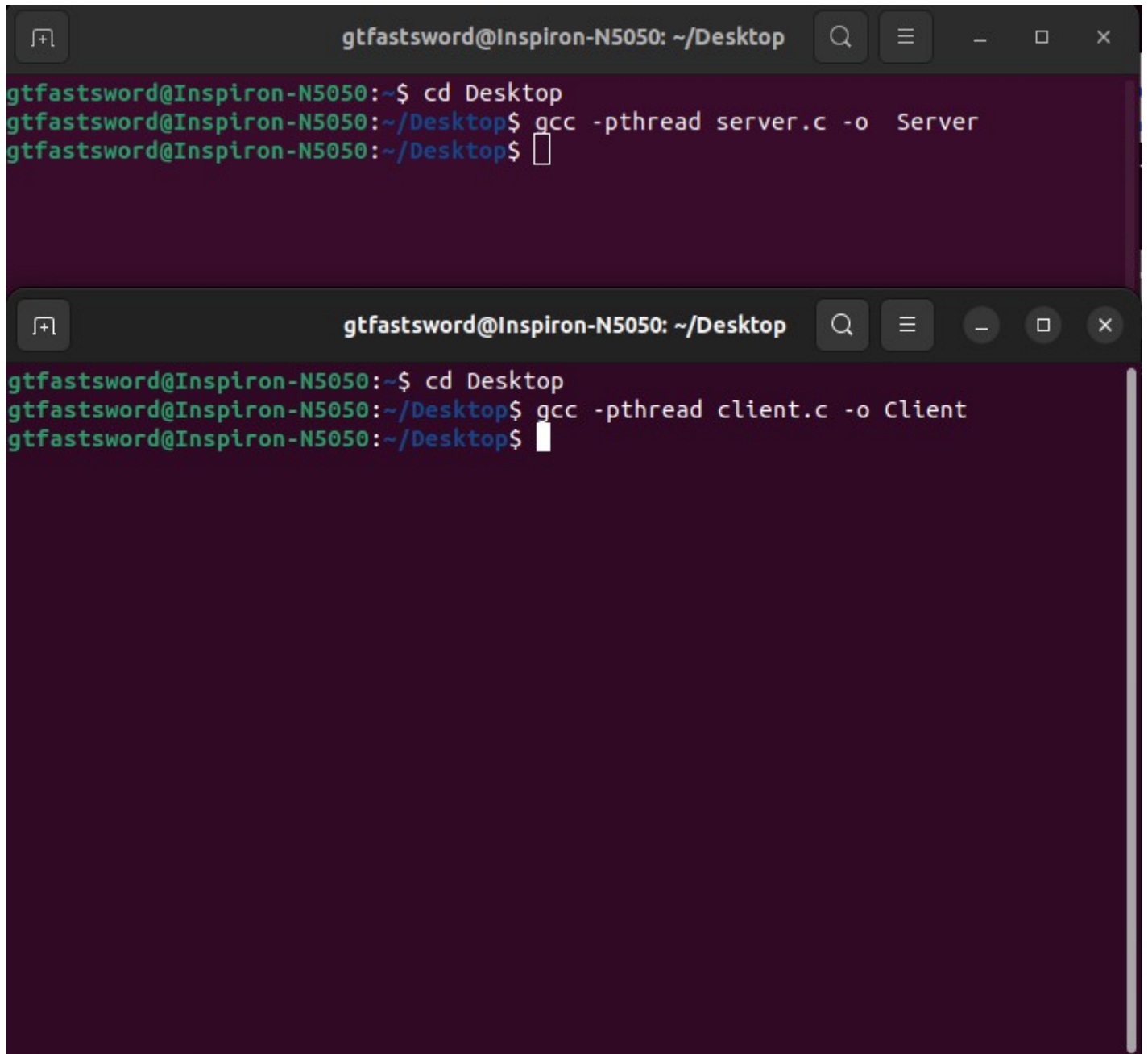
3-compile the "code-name".c file using the following command :

for the server : "gcc -pthread server.c -o Server"
for the client : "gcc -pthread client.c -o Client"

```
gtfastsword@Inspiron-N5050:~$ cd Desktop
gtfastsword@Inspiron-N5050:~/Desktop$ gcc -pthread server.c -o  Server
gtfastsword@Inspiron-N5050:~/Desktop$
```
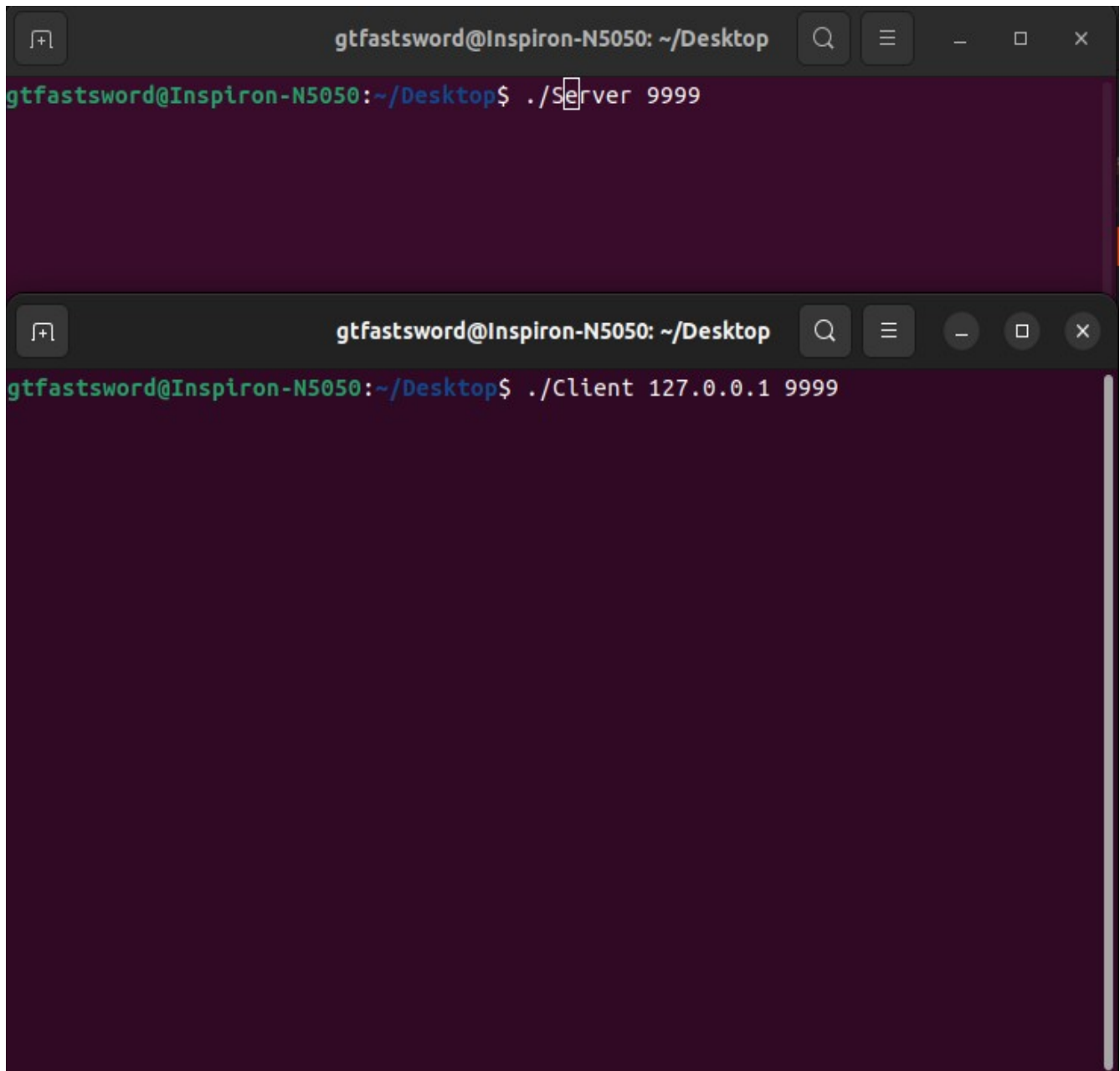
```
gtfastsword@Inspiron-N5050:~$ cd Desktop
gtfastsword@Inspiron-N5050:~/Desktop$ gcc -pthread client.c -o Client
gtfastsword@Inspiron-N5050:~/Desktop$
```

4-execute the compiled version of the Server/Client using this
following command :

for the server : "./Server "port-number(exp:9999)"
for the client : "./Client 127.0.0.1 "port-number(exp:9999)"
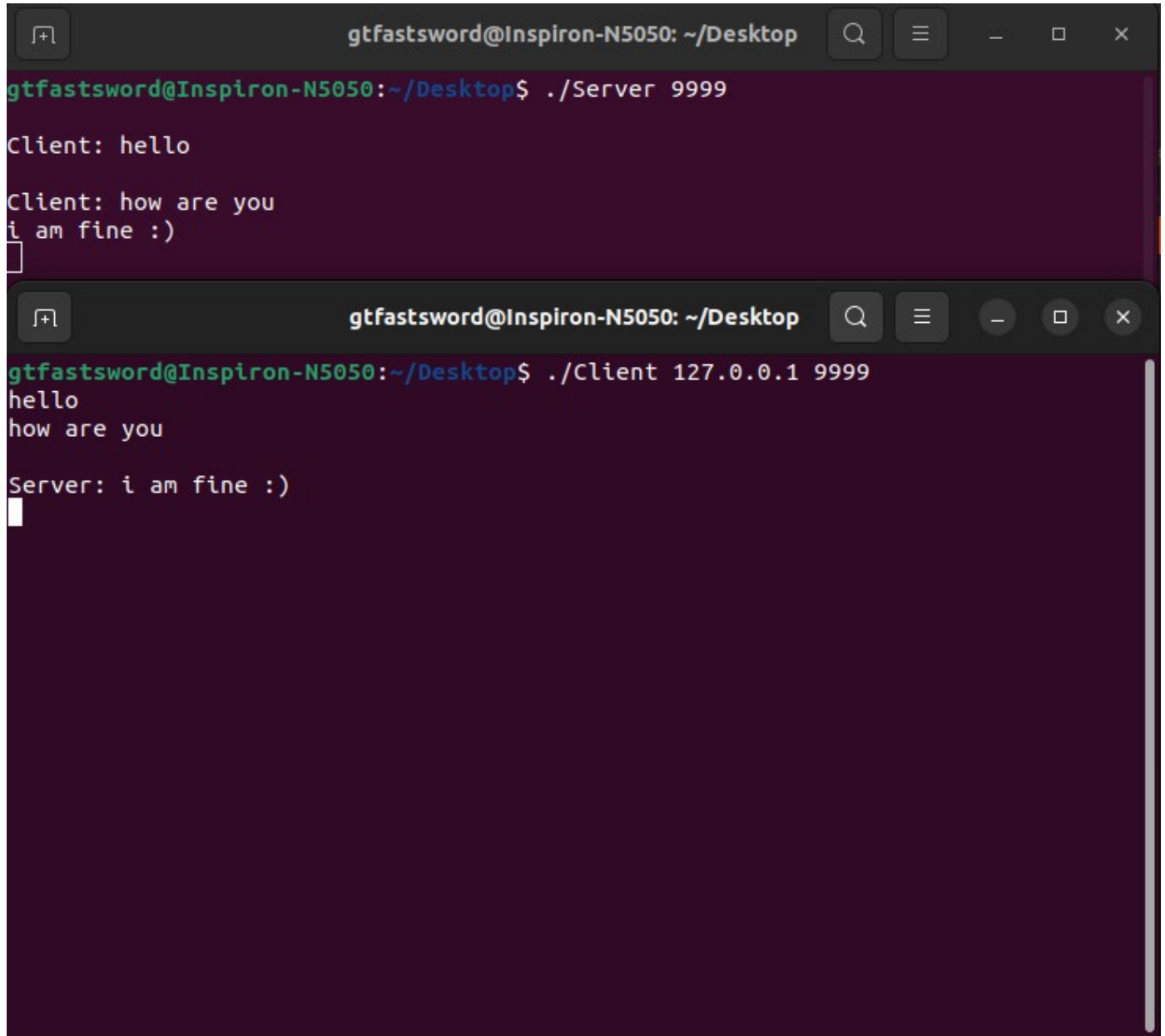   (the port in the server and client should be the same)

gtfastsword@Inspiron-N5050: ~/Desktop

gtfastsword@Inspiron-N5050:~/Desktop$ ./Server 9999

gtfastsword@Inspiron-N5050: ~/Desktop

gtfastsword@Inspiron-N5050:~/Desktop$ ./Client 127.0.0.1 9999

5-enjoy chatting with yourself !:

///-using the compiled version :

1-simply repeat step 1,2,4,5 .