

ReadME

Assignment #4 plain-text file

Group members:

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Server section:

- Server execution:

- compile:

```
- gcc server.c -o serverBinary
```

- ./serverBinary <port>

```
- ./serverBinary 9999
```

- Server functionality:
 - The server read a line from The client and return the count of words and characters.
 - the generate a new process each line receives to handle it.

Client Section:

- Client execution:

- compile:

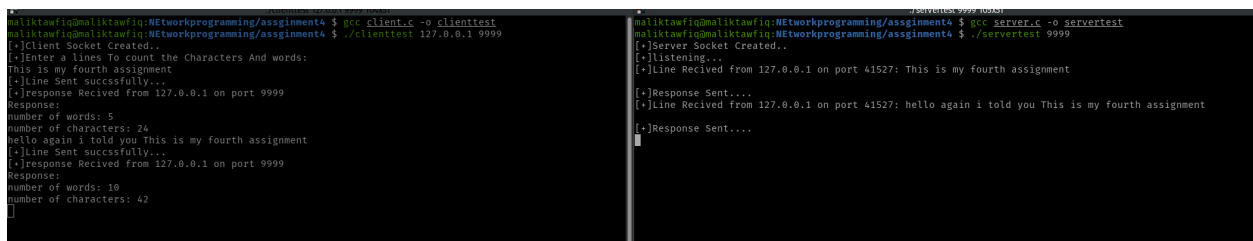
```
- gcc client.c -o clientBinary
```

- `./clientBinary <IP> <PORT>`

```
./clientBinary 127.0.0.1 9999
```

- Client Functionality:
 - The Client read a line from the User input(stdin) and sent it to the server.
 - the client remains working until the user press CTRL+D.

Sample Run:



```
maliktawfiq@maliktawfiq:~/Networkprogramming/assignment4 $ gcc client.c -o clienttest
maliktawfiq@maliktawfiq:~/Networkprogramming/assignment4 $ ./clienttest 127.0.0.1 9999
[+]Client Socket Created..
[+]Enter a lines To count the Characters And words:
This is my fourth assignment
[+]Line Sent succssfully...
[+]response Recived from 127.0.0.1 on port 9999
Response:
number of words: 5
number of characters: 24
hello again i told you This is my fourth assignment
[+]Line Sent succssfully...
[+]response Recived from 127.0.0.1 on port 9999
Response:
number of words: 18
number of characters: 42
[]

maliktawfiq@maliktawfiq:~/Networkprogramming/assignment4 $ gcc server.c -o servertest
maliktawfiq@maliktawfiq:~/Networkprogramming/assignment4 $ ./servertest 9999
[+]Server Socket Created..
[+]listening...
[+]Line Recived from 127.0.0.1 on port 41527: This is my fourth assignment
[+]Response Sent....
[+]Line Recived from 127.0.0.1 on port 41527: hello again i told you This is my fourth assignment
[+]Response Sent....
```