

CS3205 NETWORKS

README FILE

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PORT NUMBER :

The port number used is 8080 , also this Port number is defined as 8080 in server.c using #define itself so no need to give port number as command line argument

HOW TO RUN CODE :

Doing make command produces server and client files ,

Basically make does the following two commands

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

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

In one terminal run ./server command

you should get 4 messages in 4 lines as follows

```
Socket successfully created..
```

```
Socket successfully binded..
```

```
Server listening..
```

```
server accept the client...
```

In second terminal run ./client command

you should see 3 messages in 3 lines as follows

```
Socket successfully created..
```

```
connected to the server..
```

```
Main-Prompt>
```

if we see Main-Prompt> message then we are ready to give input

the instructions that can be given are

1) Listusers : this will output list of users

2) Adduser userid : this adds a user with userid if it doesn't already existed

after this instruction we either see user successfully added message or user userid already exists message on the terminal

3) Setuser userid : this sets user as userid if it exists or gives error message

if userid exists we start to see Sub-Prompt on terminal.

in Sub-Prompt the inputs we can give are

a) Read : this reads mail of user which is set (userid) , if there are no mails left it prints no mails left

b) Delete : this deletes the mail if exists and prints message deleted successfully or prints no mails left

c) Send userid : as soon as we give input Send userid , it asks us type subject then it asks us to type a message , the subject should be one line , the message should be the content of the mail and it should be one line without ### .

if userid exists it adds the mail and prints successfully added or else gives error message that userid doesn't exist

d) Done : it goes from sub-Prompt to Main-Prompt

4) Quit : with this both client and server exits .

So to give input , first add some users , then set user and send mails , then give done command , and set another user and try to read mails and delete mails.

After quit run make clean command to clear all .txt files .