CS3205 NETWORKS

ASSIGNMENT1

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CS18B051 Report for Networks CS3205 assignment 1

Session 1:

Here is a one of the session screenshot of client terminal . This is a session after everything is implemented .

```
manufalgement-/ASS -/Citent
Socket successfully created.
Socket successfully added
user successfully
added prompts detailed
user successfully
added prompts setting
user successfully
adder prompts setting
user successfully
user succe
```

This is 1st part of screenshot

```
anumata@venu_A1 

anumata@venu
```

This is 2nd part of that screenshot.

This can help in testing for Tas.

SESSION 2:

Here are 2 screenshots of client terminal output after full implementation

```
CLERT EXIT...

Annual adjourner...

Annual adjourne
```

```
sources surfaces folly
soft of Propty - Secret b
success user c
surfaces and s
sub-Propty - Bed
surfaces and s
super success user c
surfaces and s
super success user c
surfaces user c
success user c
su
```

Learning outcomes:

The experiment seemed tough at the start , but as I spent time on it , I understand what tcp socket is doing and how server and client are

communicating . the experiment is very good , i liked it . i feel like with good ideas we can do much better things like saving a mail as a draft , if we left in the middle of sending.

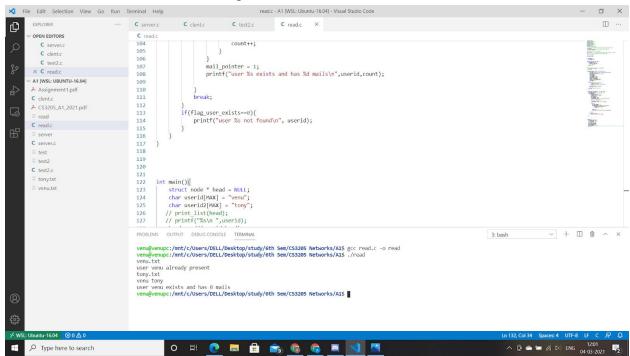
Overall the assignment was fun.

My approach for this assignment:

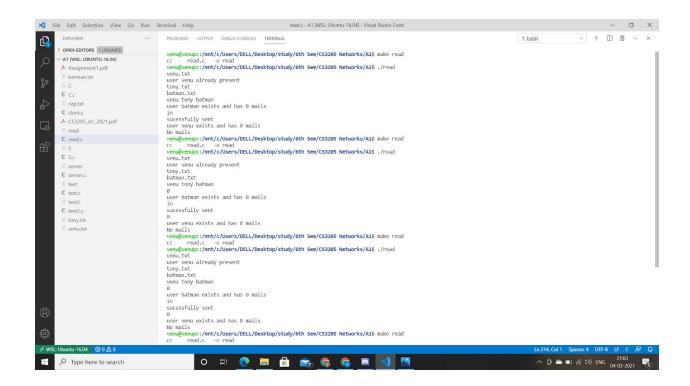
1) Implementing COMMAND PROCESSOR

I first did server COMMAND processor first without any network interface and tested all the functions with a main written by me .

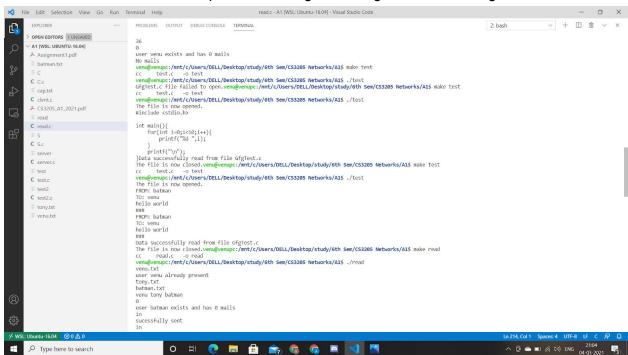
Below is a screenshot of checking adduser listusers and setuser.

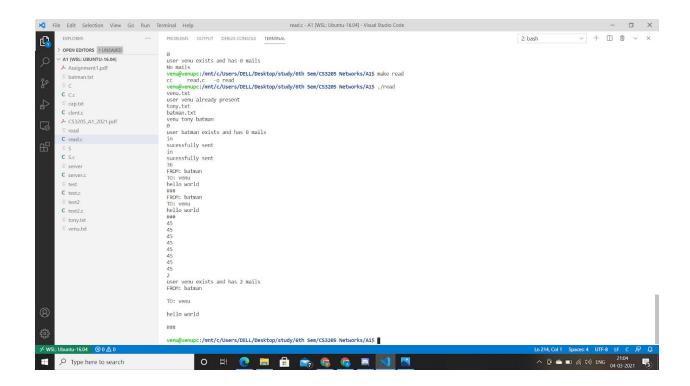


Below is a screenshot of output for checking send userid msg



Below is a 2 screenshots of output for checking of reading mail and deleting mail

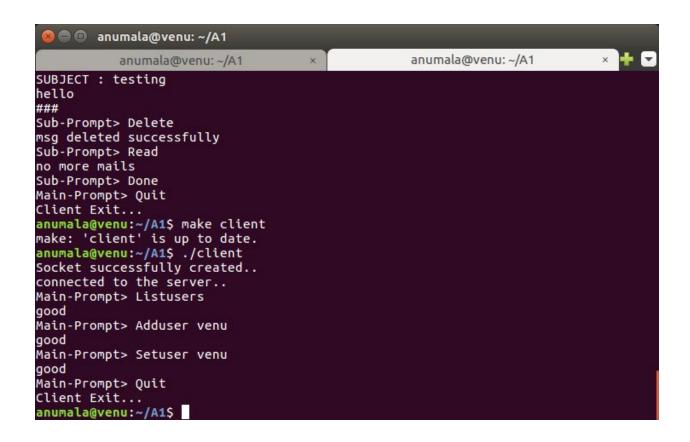


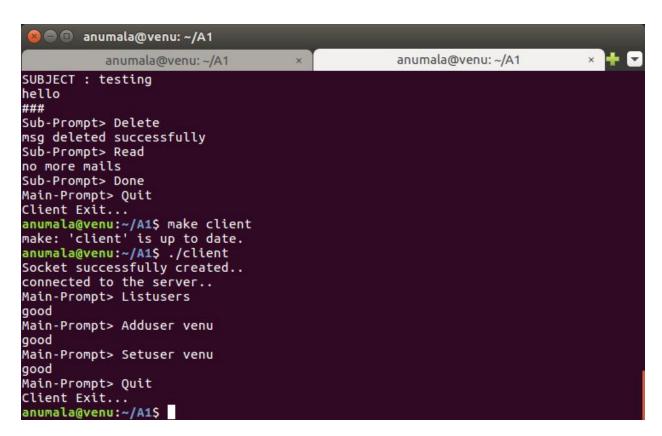


2) USER INPUT INTERFACE

Here i will use server.c from geeks for geeks without any change with my client.c , in which i implemented such that it takes user input and generates commands that are to be passed to server.c , here we check if the generation is correct or not.

Below are 2 screenshots of that checking. This is client terminal





This is server terminal

3) Implement socket

Now we will implement socket and run commands, i checked for one command at a time.

Below are screenshots of output for running all commands but before full implementation

```
amunala@venu-jA15 make clean

make item? is go to dete.

docted successfully created.

make item? is go to dete.

docted successfully created.

make item? is go to dete.

docted successfully created.

make item? jA15 make clean

make jA15 make jA15
```

Type Resease

At the first is built

reg ent successfully

Type Resease

Any of the successfully

Type Resease

T