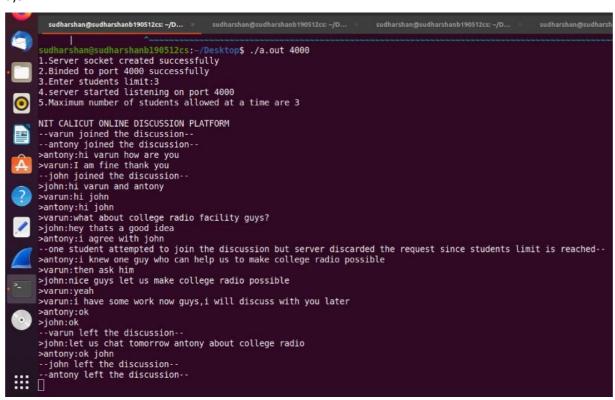
- 1)This chat system resembles a simple WhatsApp group in terms of functionality. You can understand how the chat system works by seeing a sample run of the chat system below which shows all functionalities facilitated by the programs.
- 2)Even though these programs are run in same host here, they can also be run in different hosts from different places provided they are connected to internet and everything works as given below. You have to just change the network related data items in both programs that's it simple.
- 3)This chat system uses internet to send/receive messages from clients etc using socket programming facility in C, multi threading facility in C.
- 4)Main aim of this application is to facilitate the students of NIT CALICUT with a platform where they can share their ideas for the development of college, academics etc

a)SERVER



b)1ST CLIENT(varun)

```
harshan@sudharshanb190512cs:<mark>-/Desktop$</mark> gcc -pthread client.c && ./a.out 4000
---WELCOME TO NIT CALICUT ONLINE DISCUSSION PLATFORM FOR SHARING NEW IDEAS----
a.Socket created successfully
b.Connected to server successfully
 Your name: varun
>Rules of the online discussion platform:

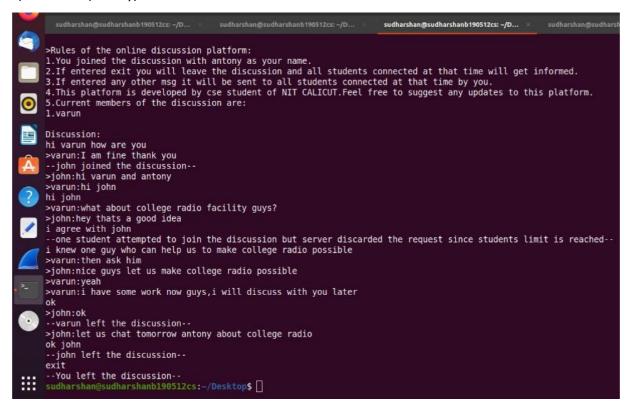
1.You joined the discussion with varun as your name.

2.If entered exit you will leave the discussion and all students connected at that time will get informed.

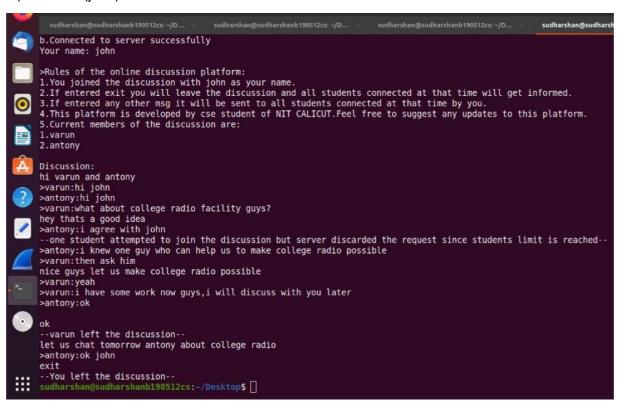
3.If entered any other msg it will be sent to all students connected at that time by you.

4.This platform is developed by cse student of NIT CALICUT.Feel free to suggest any updates to this platform.
5.No students present currently.
Discussion:
--antony joined the discussion--
>antony:hi varun how are you
I am fine thank you
--john joined the discussion--
>john:hi varun and antony
hi john
>antony:hi john
what about college radio facility guys?
>john:hey thats a good idea
>antony:i agree with john
--one student attempted to join the discussion but server discarded the request since students limit is reached--
>antony:i knew one guy who can help us to make college radio possible
then ask him
>john:nice guys let us make college radio possible
 yeah
i have some work now guys,i will discuss with you later
>antony:ok
>john:ok
exit
 --You left the discussion--
```

c)2ND CLIENT(antony)



d)3RD CLIENT(john)



e)4TH CLIENT(ram)

