#### REPORT

## **Assignment-1**

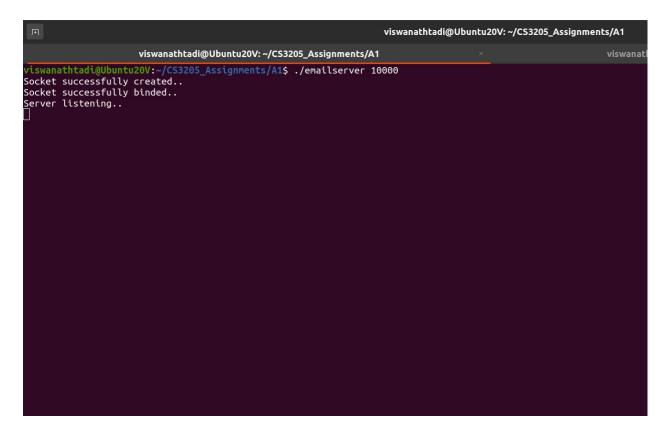
# CS3205 : Introduction to computer networking. CS18B047 Viswanath Tadi

## **Learning outcomes**

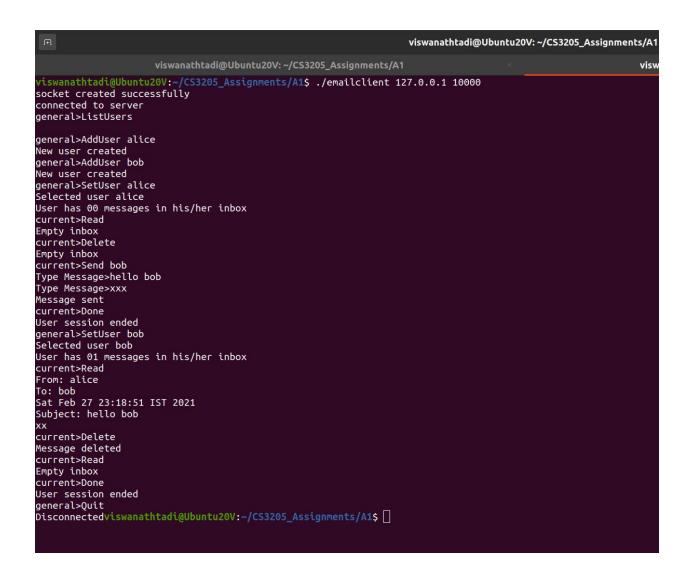
This assignment helped me understand the application layer in-depth. I got to know how processes communicate on different end-systems. This assignment clearly exposes the abstraction done by the transport layer which makes it easier for application developers to easily write programs without worrying about the deeper layers and concepts.

### Trail runs on local host:

The following is the screen-shot of the email server running on tcp port number 10000.



The following is the screen-shot of the email client running on the same machine as the server. This trail run covers all the commands the user can give to the client.



This trail covers the case when SetUser is not a valid user.

```
viswanathtadi@Ubuntu2OV: ~/CS3205_Assignments/A1

viswanathtadi@Ubuntu2OV: ~/CS3205_Assignments/A1

viswanathtadi@Ubuntu2OV: ~/CS3205_Assignments/A1$ ./emailclient 127.0.0.1 10000

socket created successfully
connected to server
general>Adduser alice
New user created
general>SetUser bob
User does not exist
general>

general>
```

The trail covers the case when Send <userid> is not a valid user.

```
viswanathtadi@Ubuntu2OV:~/CS3205_Assignments/A1

viswanathtadi@Ubuntu2OV:~/CS3205_Assignments/A1

viswanathtadi@Ubuntu2OV:~/CS3205_Assignments/A1$ ./emailclient 127.0.0.1 10000

socket created successfully

connected to server

general>Adduser alice
New user created

general>SetUser alice
Selected user alice
User has 00 messages in his/her inbox

current>Send bob
Type Message>hello###

Invalid user

current>

Invalid user

current>

Invalid user
```