Name : Subham Subhasis Sahoo
Entry No : 2020CSB1317

Task-1 :

Step 1 :

Run the server.out file

Commands:

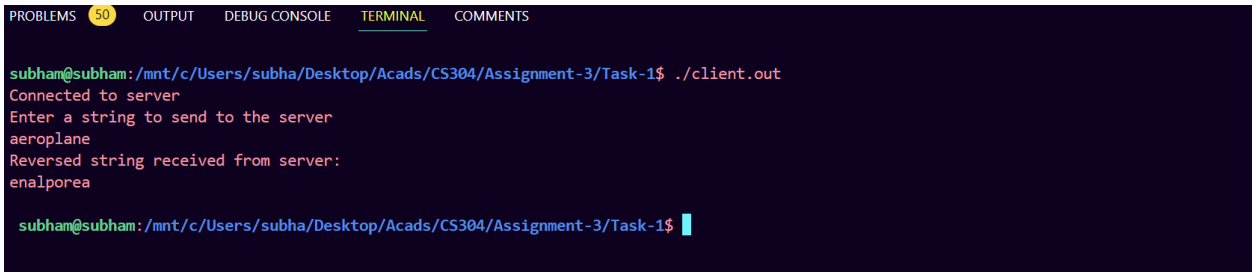
To compile: gcc server.c -o server.out
To run: ./server.out

Step 2:

Run any of the client files (client-1.c , client-2.c , client-3.c , client-4.c , client-5.c)

To compile : gcc client-1.c -o client.out
To run: ./client.out

Input the string you want to send to the server.



Task-2:

Step 1 :

Run the server.out file

Commands:

To compile: gcc server.c -o server.out
To run: ./server.out

Enter the credentials :

User_id : admin
Password : password

```
subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Assignment-3/Task-2$ gcc server.c -o server.out
subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Assignment-3/Task-2$ ./server.out
Enter user_id : admin
Enter password : password
Authentication Successful !
[LISTENING] Server is listening on port 5556
```

Step 2:

Run any of the client files (client-1.c , client-2.c , client-3.c , client-4.c , client-5.c)

To compile : gcc client-1.c -o client.out
To run: ./client.out

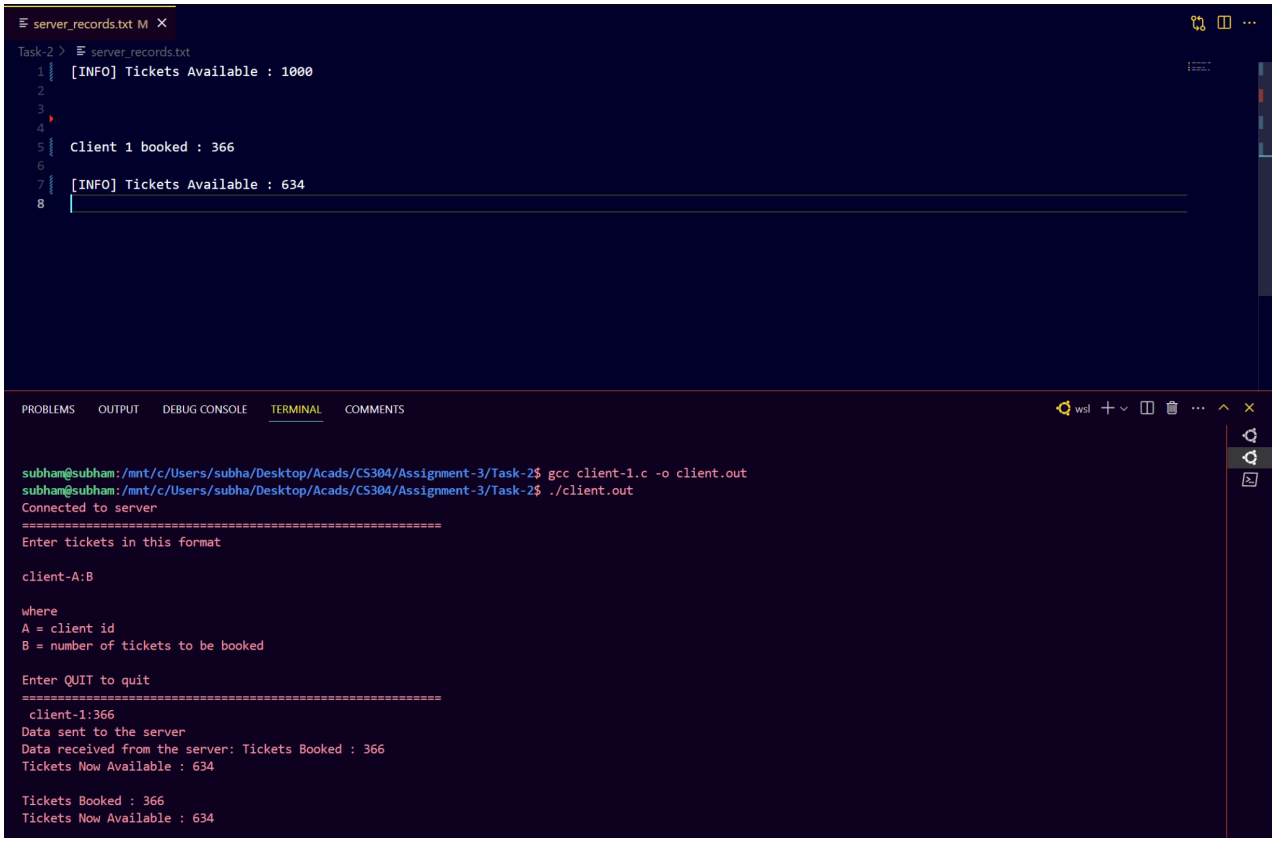
Enter the ticket booking info in this format :

client-A:B

where
A = client id
B = number of tickets to be booked

Attached is the screenshot of the process.

The initial number of tickets 1000 is stored in the server_records.txt file itself.
[INFO] Tickets Available : 1000
The initial number of tickets can be changed here in place of 1000.



After booking through 5 clients, servers_records.txt would look like :