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

```
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subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Assignment-3/Task-1$ ./server.out

[LISTENING] Server is listening on port 5555
```

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.

```
subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Assignment-3/Task-1$ ./client.out
Connected to server
Enter a string to send to the server
aeroplane
Reversed string received from server:
enalporea
subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Assignment-3/Task-1$
```

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.

```
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       > 

server records.txt
   1 [INFO] Tickets Available : 1000
    Client 1 booked : 366
         [INFO] Tickets Available : 634
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL COMMENTS
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Q
N
subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Assignment-3/Task-2$ gcc client-1.c -o client.out subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Assignment-3/Task-2$ ./client.out Connected to server
Enter tickets in this format
where
A = client id
B = number of tickets to be booked
Enter QUIT to quit
client-1:366
Data sent to the server
Data received from the server: Tickets Booked : 366
Tickets Now Available : 634
Tickets Booked : 366
Tickets Now Available : 634
```

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