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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 number of tickets booked

```
subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Subham_2020csb1317_A3/Task-2$ gcc client-1.c -o client.out
subham@subham:/mnt/c/Users/subha/Desktop/Acads/CS304/Subham_2020csb1317_A3/Task-2$ ./client.out
Connected to server

Enter number of tickets to be booked

Enter QUIT to quit

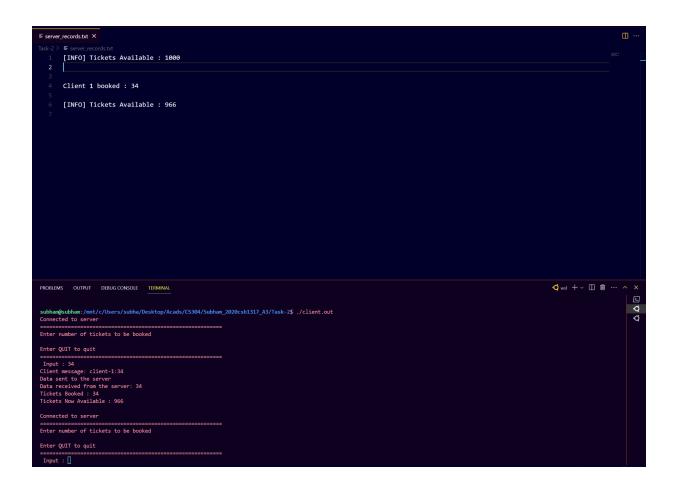
Input : 34
```

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 this:

```
| Factor | F
```