CL-3001

Computer Networks

ASSIGNMENT 01

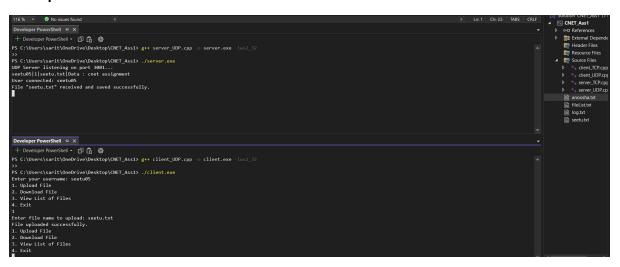**Submitted by:** Sarita Sangrez
Roll number: 23i-2088
Date: 30th March 2025

UDP FILE TRANSFER

1. Input username

2. Upload File

Here, the text file has the following data :

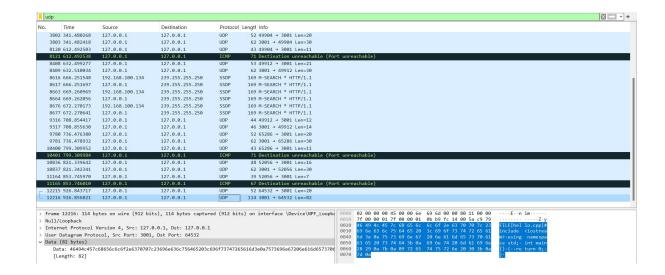**Uploaded File is also added in list of files :**

3. Download File

4. View List of Files (multiple clients can request file action as shown)

5. Log.txt logs File Action :

```
75      User: moosa19 | Timestamp: Fri Mar 21 22:11:49 2025 | File: anoosha.txt | Protocol: UDP | Action: Downloaded
76      User: moosa19 | Timestamp: Fri Mar 21 22:12:38 2025 | File: anoosha.txt | Protocol: UDP | Action: Downloaded
77      User: moosa19 | Timestamp: Fri Mar 21 22:14:38 2025 | File: anoosha.txt | Protocol: UDP | Action: Downloaded
78      User: hunney | Timestamp: Fri Mar 21 22:15:05 2025 | File: seetu.txt | Protocol: UDP | Action: Downloaded
79      User: moosa19 | Timestamp: Fri Mar 21 22:16:01 2025 | File: anoosha.txt | Protocol: UDP | Action: Downloaded
80      User: huda | Timestamp: Fri Mar 21 22:17:43 2025 | File: fileList | Protocol: UDP | Action: Viewed
81      User: moosa19 | Timestamp: Fri Mar 21 22:20:24 2025 | File: hello.cpp | Protocol: UDP | Action: Downloaded
82
```

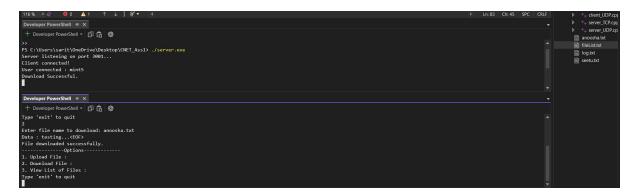**6. Network Traffic Captured on Wireshark on the IP address 127.0.0.1**

TCP FILE TRANSFER

1.   Input Username

2.   Upload File

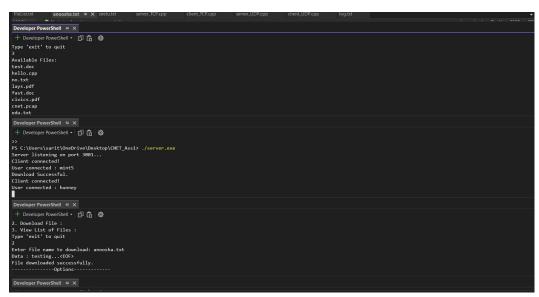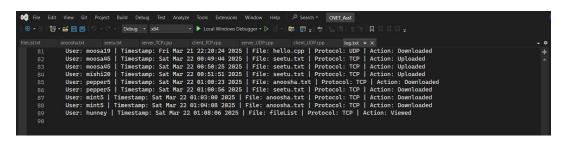## 3.   Download File

Here, the text file has the following data :
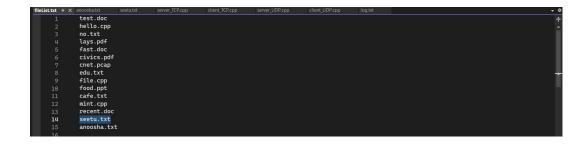

4.   View List of Files (multiple clients can request file action as shown)

5.   Log.txt logs File Action

6.   Uploaded Files are added in List of Files

```
fileList.txt    anoosha.txt    seetu.txt    server_TCP.cpp    client_TCP.cpp    server_UDP.cpp    client_UDP.cpp    log.txt
    1        test.doc
    2        hello.cpp
    3        no.txt
    4        lays.pdf
    5        fast.doc
    6        civics.pdf
    7        cnet.pcap
    8        edu.txt
    9        file.cpp
   10        food.ppt
   11        cafe.txt
   12        mint.cpp
   13        recent.doc
   14        seetu.txt
   15        anoosha.txt
   16
```

7.   Network Traffic Captured on Wireshark on the IP address 127.0.0.1