Assignment 2 UDP Sockets

```
Request from Client at port 39023: WORD 1
Request from Client at port 39023: WORD 1
Request from Client at port 39023: WORD 2
Request from Client at port 39023: WORD 3
Request from Client at port 39023: WORD 4
Request from Client at port 39023: WORD 5
Request from Client at port 39023: WORD 5
Request from Client at port 39023: WORD 6
Request from Client at port 39023: WORD 7
Request from Client at port 39023: WORD 7
Request from Client at port 39023: WORD 8
Request from Client at port 39023: WORD 9
Request from Client at port 39023: WORD 10
Request from Client at port 39023: WORD 11
Request from Client at port 39023: WORD 12
```

```
harshit@acer-aspire-lite-52:~/Documents/net/A2$ ./client 22CS10030_File3.txt

Response from Server: HELLO

Response from Server: Long

Response from Server: Words

Response from Server: Pneumonoultramicroscopicsilicovolcanoconiosis

Response from Server: Supercalifragilisticexpialidocious

Response from Server: Hippopotomonstrosesquippedaliophobia

Response from Server: Antidisestablishmentarianism

Response from Server: Floccinaucinihilipilification

Response from Server: Honorificabilitudinitatibus

Response from Server: Pseudopseudohypoparathyroidism

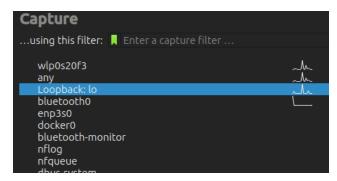
Response from Server: Dichlorodiphenyltrichloroethane

Response from Server: Methionylthreonylglutaminylarginyltyrosylglutaminylarginylisoleucine

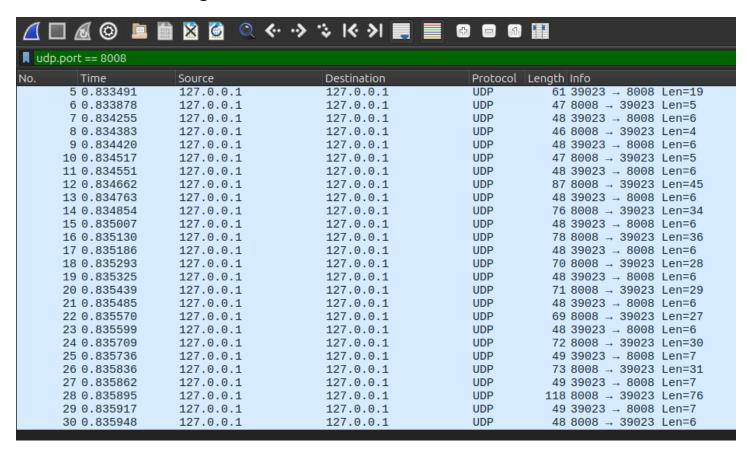
Response from Server: FINISH
```

```
harshit@acer-aspire-lite-52:~/Documents/net/A2$ cat 22CS10030 File3.txt
                                                                                              harshit@acer-aspire-lite-52:~/Documents/net/A2$ cat response 22CS10030 File3.txt
HELL 0
Long
                                                                                              Long
Words
                                                                                              Words
Pneumonoultramicroscopicsilicovolcanoconiosis
                                                                                              Pneumonoultramicroscopicsilicovolcanoconiosis
Supercalifragilisticexpialidocious
                                                                                              Supercalifragilisticexpialidocious
Hippopotomonstrosesquippedaliophobia
Antidisestablishmentarianism
                                                                                              Hippopotomonstrosesquippedaliophobia
                                                                                              Antidisestablishmentarianism Floccinaucinihilipilification
Floccinaucinihilipilification
Honorificabilitudinitatibus
                                                                                              Honorificabilitudinitatibus
Pseudopseudohypoparathyroidism
Dichlorodiphenyltrichloroethane
                                                                                              Pseudopseudohypoparathyroidism
                                                                                              Dichlorodiphenyltrichloroethane
{f Methionylthreonylthreonylglutaminylarginyltyrosylglutaminylarginylisoleucine}
                                                                                              {\tt Methionylthreonylthreonylglutaminylarginyltyrosylglutaminylarginylisoleucine}
                                                                                              harshit@acer-aspire-lite-52:~/Documents/net/A2$ 🗌
```

For packet analysis, only the Loopback (lo) interface was observed:



1. Packets Exchanged



2. Protocol Used

User Datagram Protocol (UDP)

3. Source & Destination

IP Address	
Server	127.0.0.1 (loopback address)
Client	
Port	
Server	8008 (set by user)
Client	39023 (allocated)

4. FILENAME request sent by the client

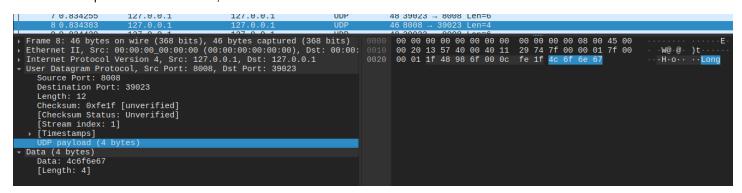
Packet Size: **61 bytes**Data Length: 19 bytes

5. Server's first responses:

Server's response for HELLO

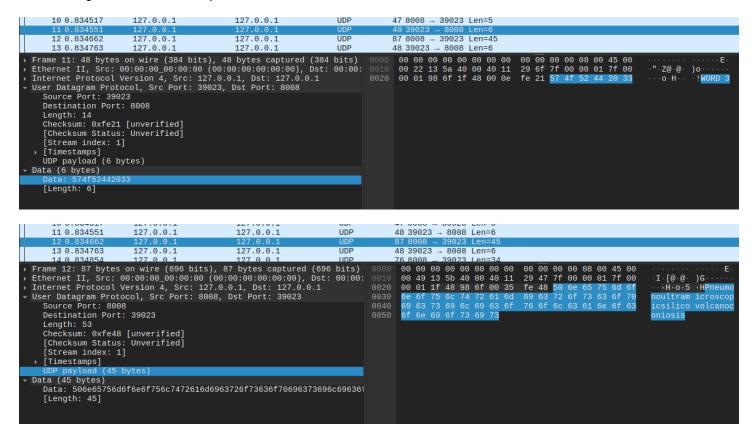
Packet size: 47 bytes

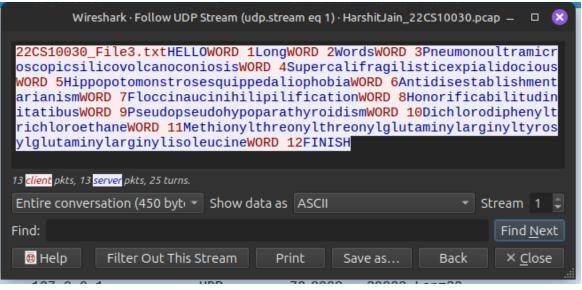
Server's response for WORD₁



Packet size: 46 bytes

6. Payload of word packets:



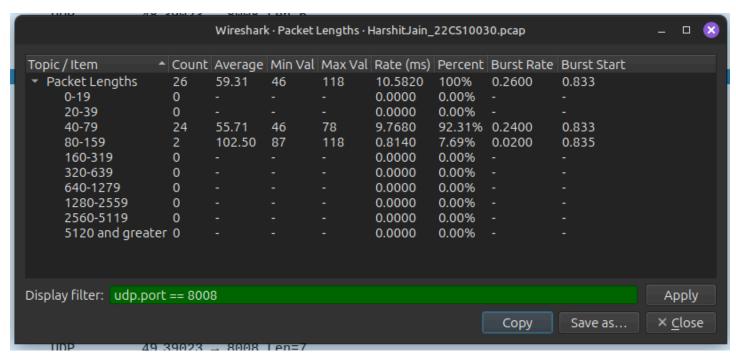


7. Time Taken



Total time taken for the file transfer from start to finish: 0.002457 sec

8. Packet size statistics



Avg size of packets: 59.31 bytes