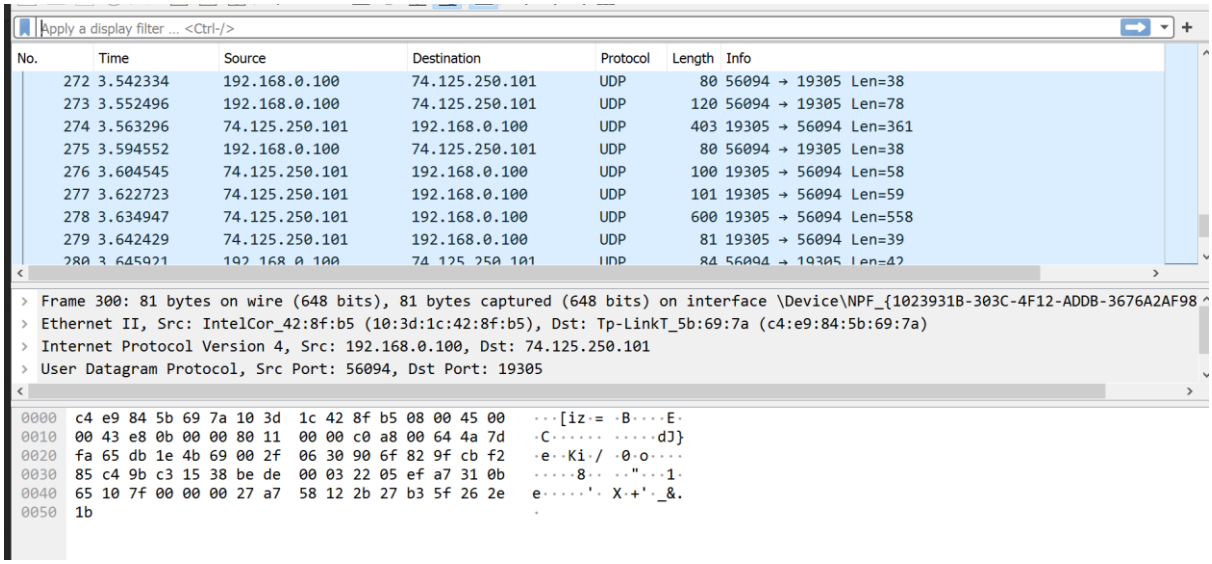
Practical 2

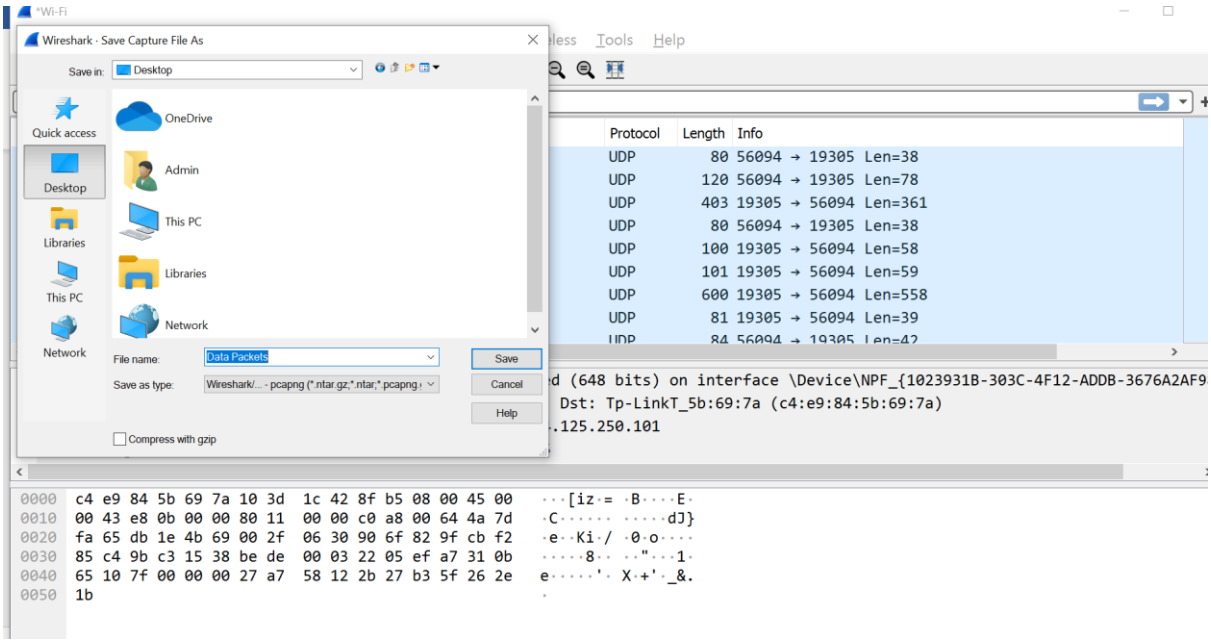
Date:- 07/08/21
Roll No:- 19BCE248
Course No:- 2CS502 Computer Networks

AIM: Explore Packet capture tool (Wireshark) to capture and analyse various types of network packets.

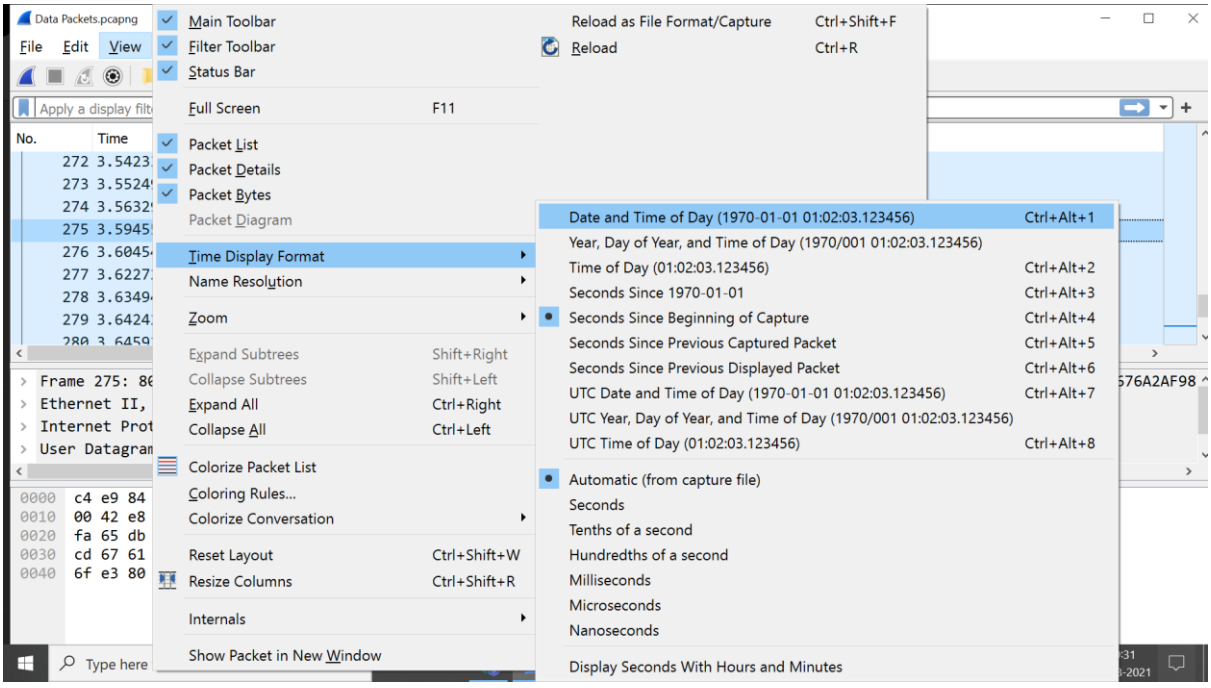
- Capturing Data Packets

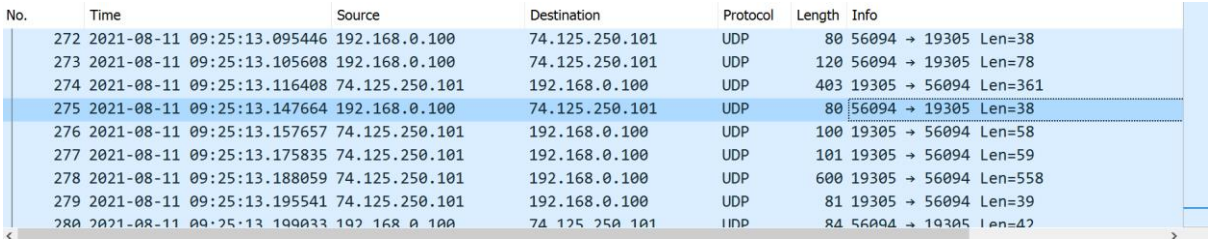


- Saving Data Packets



- Changing Date and Time Format





- Package Details

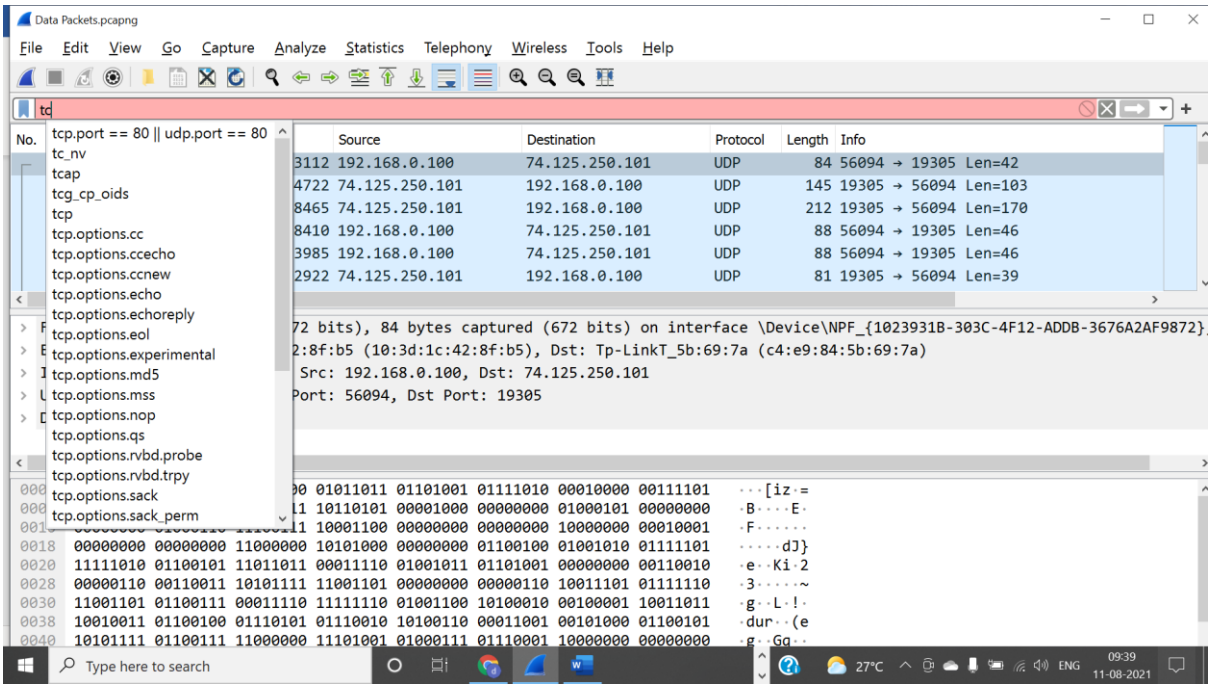
```
> Frame 275: 80 bytes on wire (640 bits), 80 bytes captured (640 bits) on interface \Device\NPF_{1023931B-303C-4F12-ADDB-3676A2AF987
> Ethernet II, Src: IntelCor_42:8f:b5 (10:3d:1c:42:8f:b5), Dst: Tp-LinkT_5b:69:7a (c4:e9:84:5b:69:7a)
> Internet Protocol Version 4, Src: 192.168.0.100, Dst: 74.125.250.101
> User Datagram Protocol, Src Port: 56094, Dst Port: 19305
> Data (38 bytes)
```

- Package Bytes

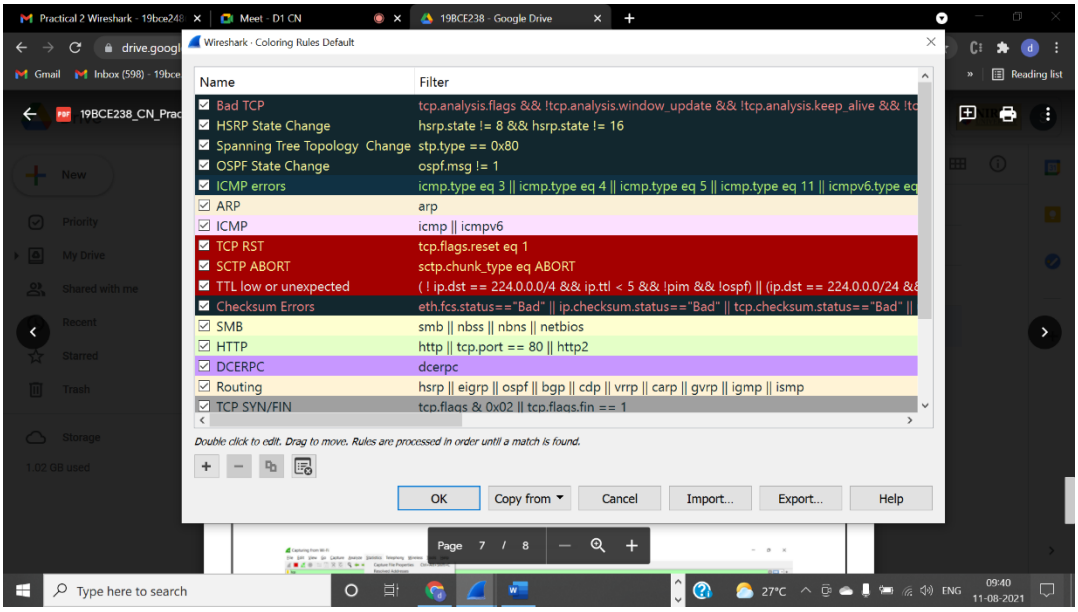
```
0000  c4 e9 84 5b 69 7a 10 3d  1c 42 8f b5 08 00 45 00   ···[iz·= ·B····E·
0010  00 42 e8 01 00 00 80 11  00 00 c0 a8 00 64 4a 7d   ·B······ ·····dJ}
0020  fa 65 db 1e 4b 69 00 2e  06 2f af cd 00 05 9d 7e   ·e··Ki·. ·/·····~
0030  cd 67 61 38 31 eb f0 b1  bb 4c 9b bd 8c bb 23 1c   ·ga81··· ·L····#·
0040  6f e3 80 00 2e 78 e2 7c  73 95 26 44 de b3 53 f4   o····.x·| s·&D··S·
```

```
0000  11000100 11101001 10000100 01011011 01101001 01111010 00010000 00111101   ···[iz·=
0008  00011100 01000010 10001111 10110101 00001000 00000000 01000101 00000000   ·B····E·
0010  00000000 01000010 11101000 00000001 00000000 00000000 10000000 00010001   ·B·····
0018  00000000 00000000 11000000 10101000 00000000 01100100 01001010 01111101   ·····dJ}
0020  11111010 01100101 11011011 00011110 01001011 01101001 00000000 00101110   ·e··Ki··
0028  00000110 00101111 10101111 11001101 00000000 00000101 10011101 01111110   ·/·····~
0030  11001101 01100111 01100001 00111000 00110001 11101011 11110000 10110001   ·ga81···
0038  10111011 01001100 10011011 10111101 10001100 10111011 00100011 00011100   ·L····#·
0040  01101111 11100011 10000000 00000000 00101110 01111000 11100010 01111100   o···.x·|
0048  01110011 10010101 00100110 01000100 11011110 10110011 01010011 11110100   s·&D··S·
```

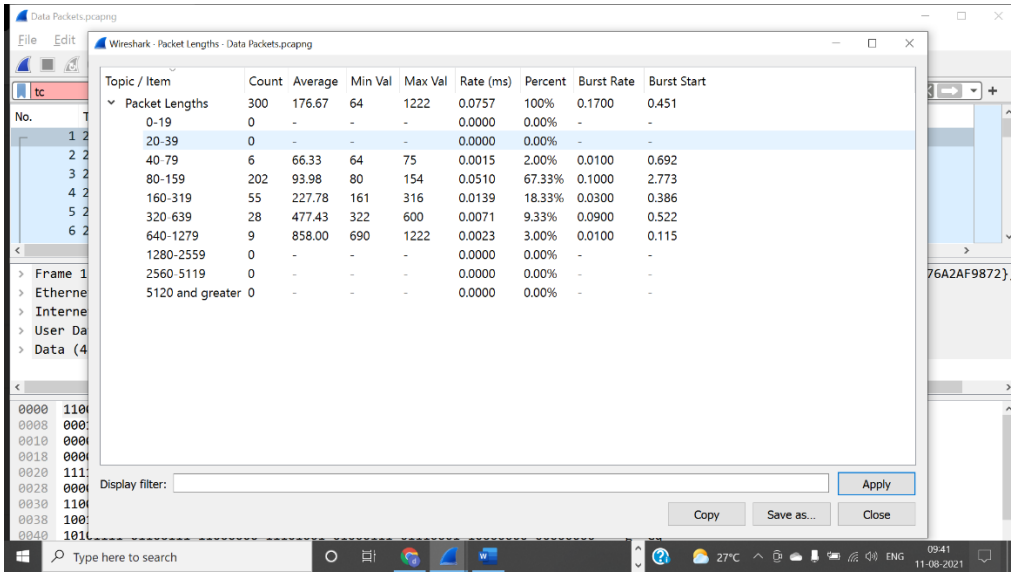
- Applying Filters

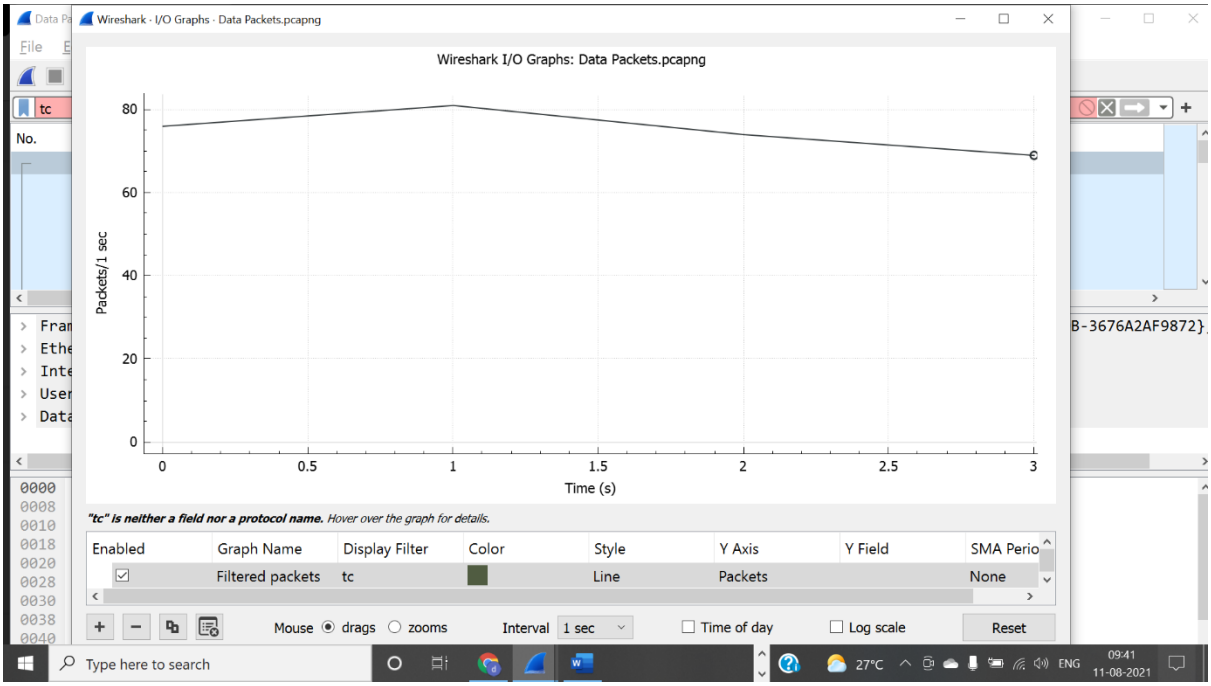


- Coloring Rules



- Wireshark Statistics




Wireshark · I/O Graphs · Data Packets.pcapng
Wireshark I/O Graphs: Data Packets.pcapng
Packets/1 sec
Time (s)
"tc" is neither a field nor a protocol name. Hover over the graph for details.
Enabled
Graph Name
Display Filter
Color
Style
Y Axis
Y Field
SMA Perio
Filtered packets
tc
Line
Packets
None
Mouse drags zooms
Interval 1 sec
Time of day
Log scale
Reset
Type here to search
27°C
ENG
09:41
11-08-2021