Name : P.Damodar.
Roll No : 411964.

Lab-3

Task : Install Wireshark and what can we do with it.

Work :

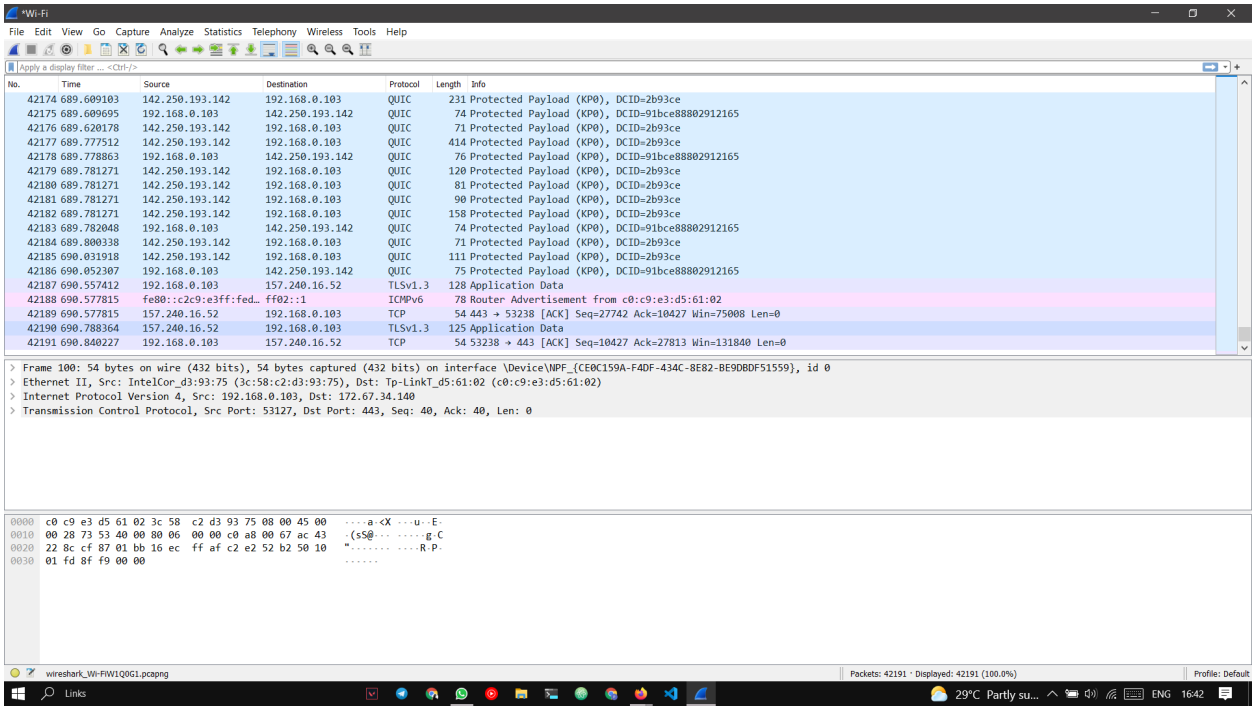
1.Installed ‘Wireshark’ from 'https://www.wireshark.org/#download'

2.

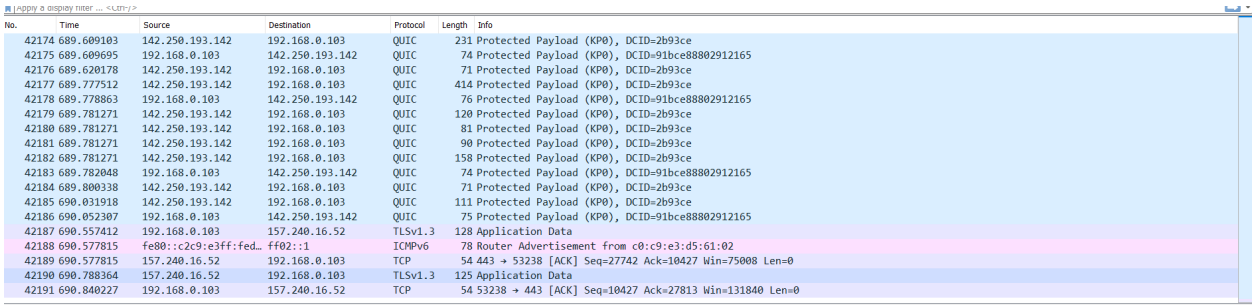
Wireshark is a network packet analyzer, presents what happens inside a network cable.
Wireshark can be used for :-

- Troubleshooting network problems
- Examine security problems
- Debug protocol implementations.
- Learn network protocol internals.

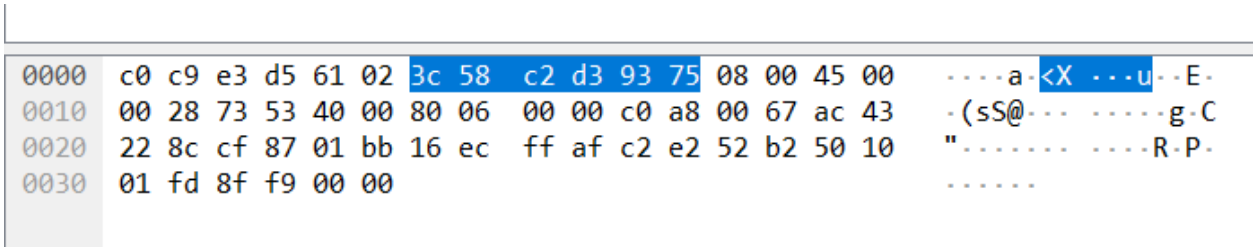
Features of Wireshark :-



- Capture packet data from a network interface.



- See the hex dumps of packet data.



- Display detailed protocol information

```
Flags: 0x40, Don't fragment
...0 0000 0000 0000 = Fragment Offset: 0
Time to Live: 128
Protocol: TCP (6)
Header Checksum: 0x0000 [validation disabled]
[Header checksum status: Unverified]
Source Address: 192.168.0.103
Destination Address: 172.67.34.140
```

- Search for packets using filter
  (Using a protocol is done)