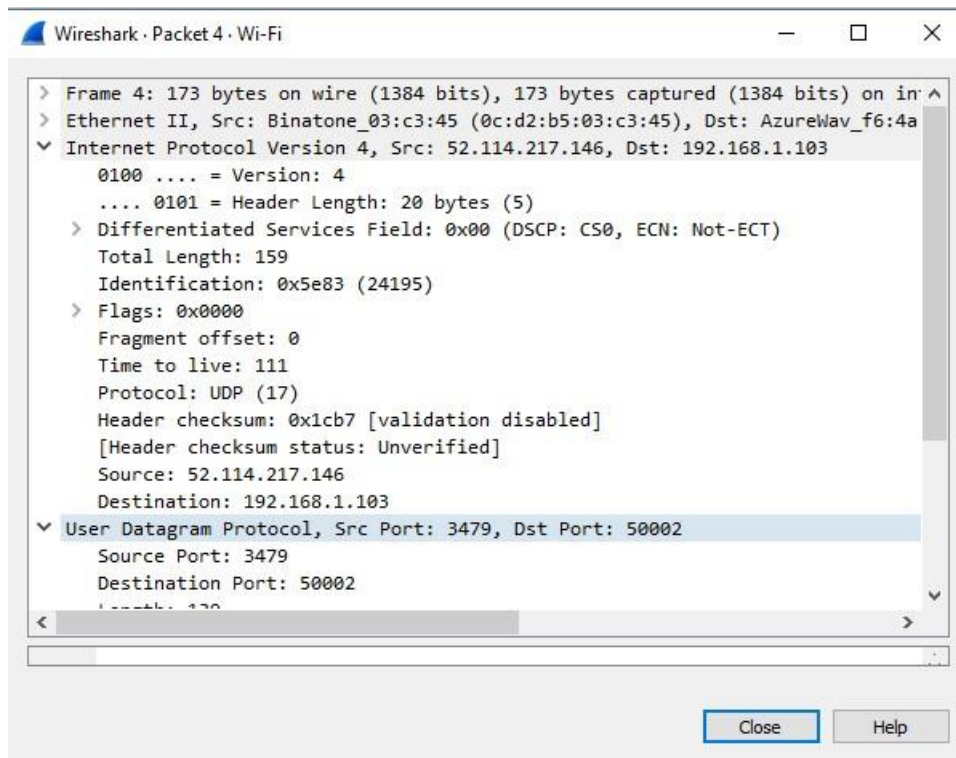


Experiment No 6

B.1: Code of performed experiment

(Students are expected to write the code of performed experiment)

FRAME CONSIDERED:



1. Incoming Packet
2. 52.114.217.146
3. 192.168.1.103
4. 173 Bytes
5. 14 bytes
6. 20 bytes (header) + 159 Bytes
7. 20 bytes (header) + 700 Bytes
- 8.

Wireshark · Coloring Rules Default	
Name	Filter
<input checked="" type="checkbox"/> Bad TCP	tcp.analysis.flags && !tcp.analysis.window_update
<input checked="" type="checkbox"/> HSRP State Change	hsrp.state != 8 && hsrp.state != 16
<input checked="" type="checkbox"/> Spanning Tree Topology Change	stp.type == 0x80
<input checked="" type="checkbox"/> OSPF State Change	ospf.msg != 1
<input checked="" type="checkbox"/> ICMP errors	icmp.type eq 3 icmp.type eq 4 icmp.type eq 5 icmp.type eq 11 icmp.type eq 12
<input checked="" type="checkbox"/> ARP	arp
<input checked="" type="checkbox"/> ICMP	icmp icmpv6
<input checked="" type="checkbox"/> TCP RST	tcp.flags.reset eq 1
<input checked="" type="checkbox"/> SCTP ABORT	sctp.chunk_type eq ABORT
<input checked="" type="checkbox"/> TTL low or unexpected	(! ip.dst == 224.0.0.0/4 && ip.ttl < 5 && !pim && !ospf) (ip.dst == 224.0.0.0/4 && ip.ttl < 5 && !pim && !ospf)
<input checked="" type="checkbox"/> Checksum Errors	eth.fcs.status == "Bad" ip.checksum.status == "Bad" tcp.checksum.status == "Bad" udp.checksum.status == "Bad"
<input checked="" type="checkbox"/> SMB	smb nbss nbns netbios
<input checked="" type="checkbox"/> HTTP	http tcp.port == 80 http2
<input checked="" type="checkbox"/> DCERPC	dcerpc
<input checked="" type="checkbox"/> Routing	hsrp eigrp ospf bgp cdp vrrp carp gvrp igmp ismp
<input checked="" type="checkbox"/> TCP SYN/FIN	tcp.flags & 0x02 tcp.flags.fin == 1
<input checked="" type="checkbox"/> TCP	tcp
<input checked="" type="checkbox"/> UDP	udp
<input checked="" type="checkbox"/> Broadcast	eth[0] & 1
<input checked="" type="checkbox"/> System Event	systemd_journal sysdig

B.2: Observations and Learning's:

In this experiment, we learnt how packets are sent between IP address. We also saw about the information contained in the packets.

B.3: Conclusion:

We conclude that we could successfully retrieve information regarding the packets. We could figure out information like: IP header, TCP header, total number of bytes in a certain frame etc.