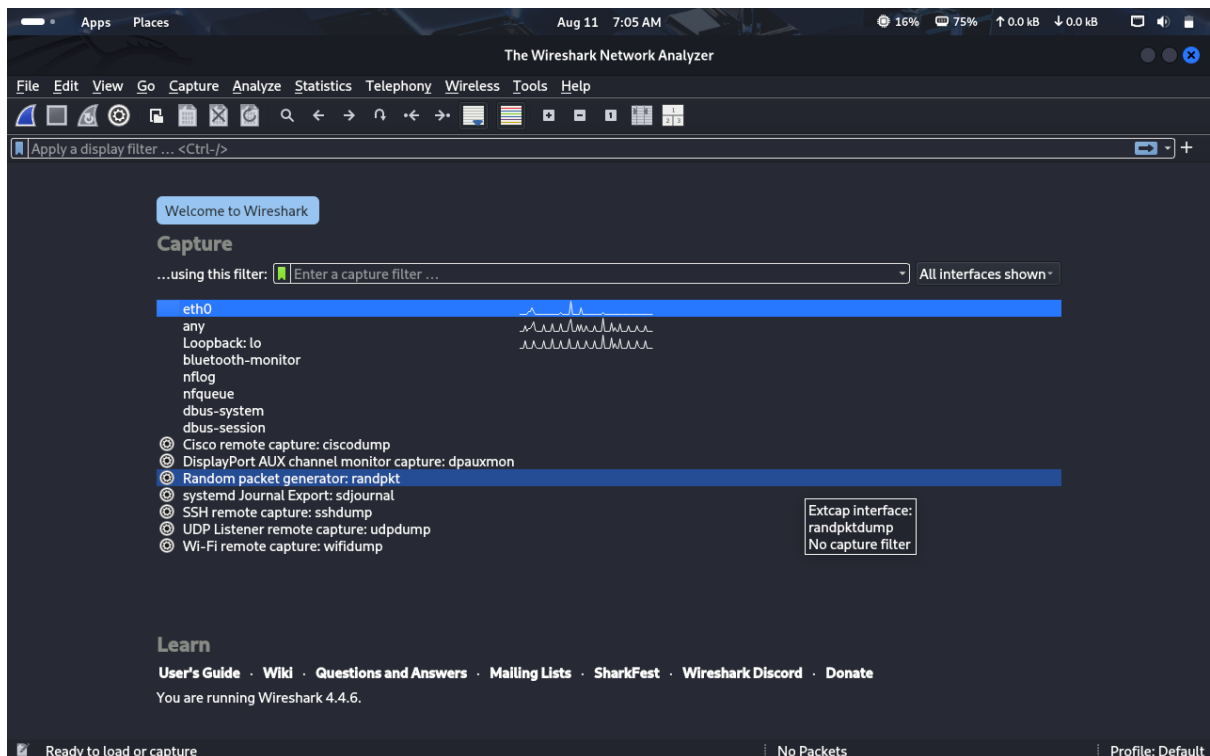
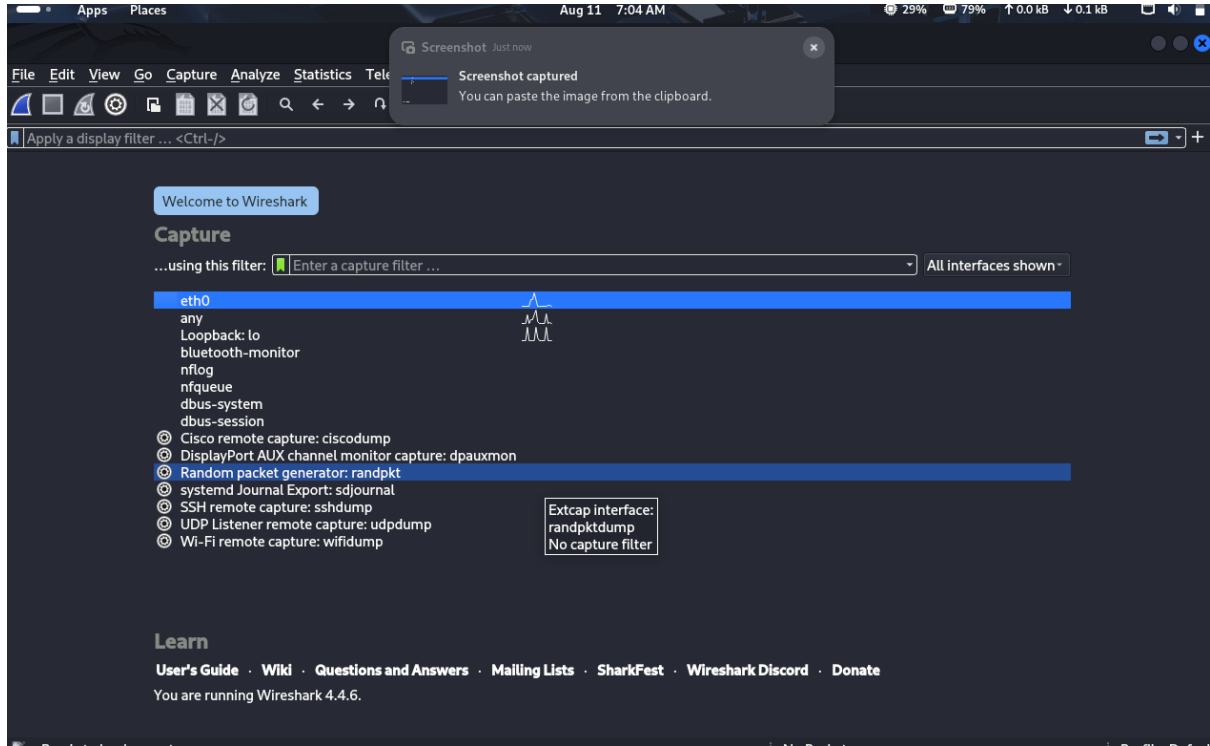
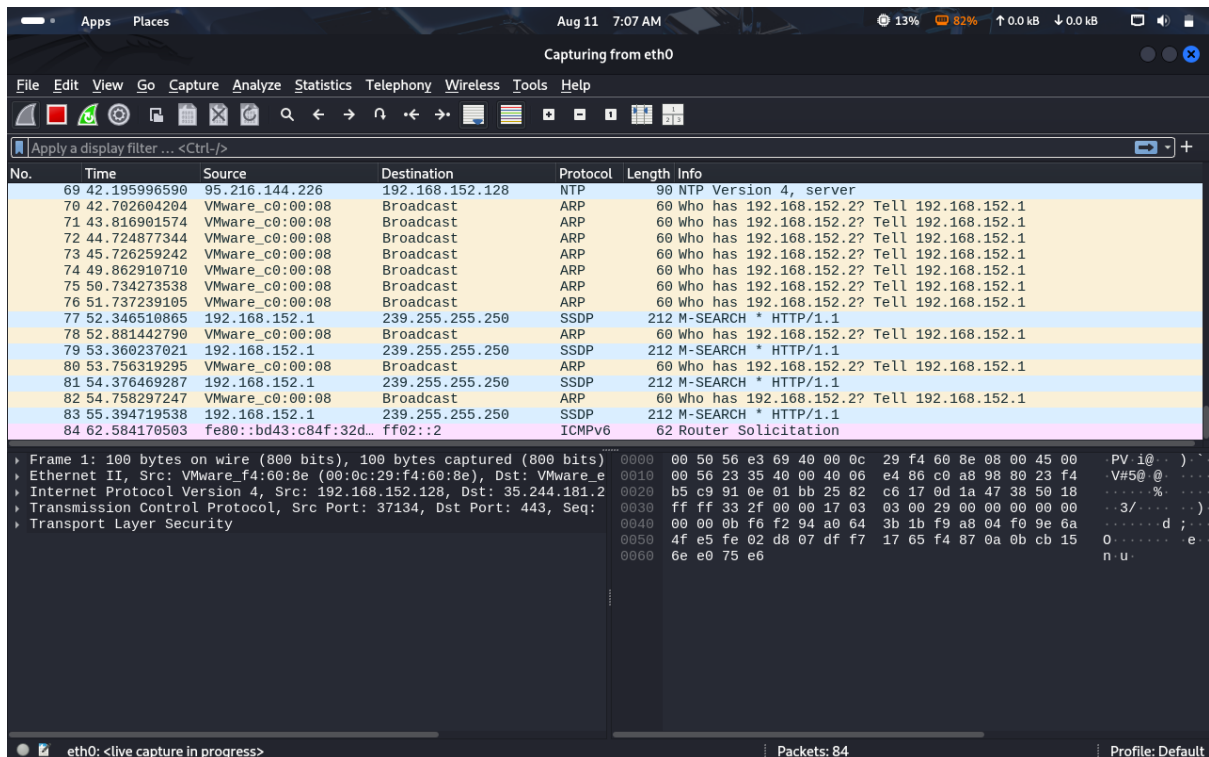


TASK-5

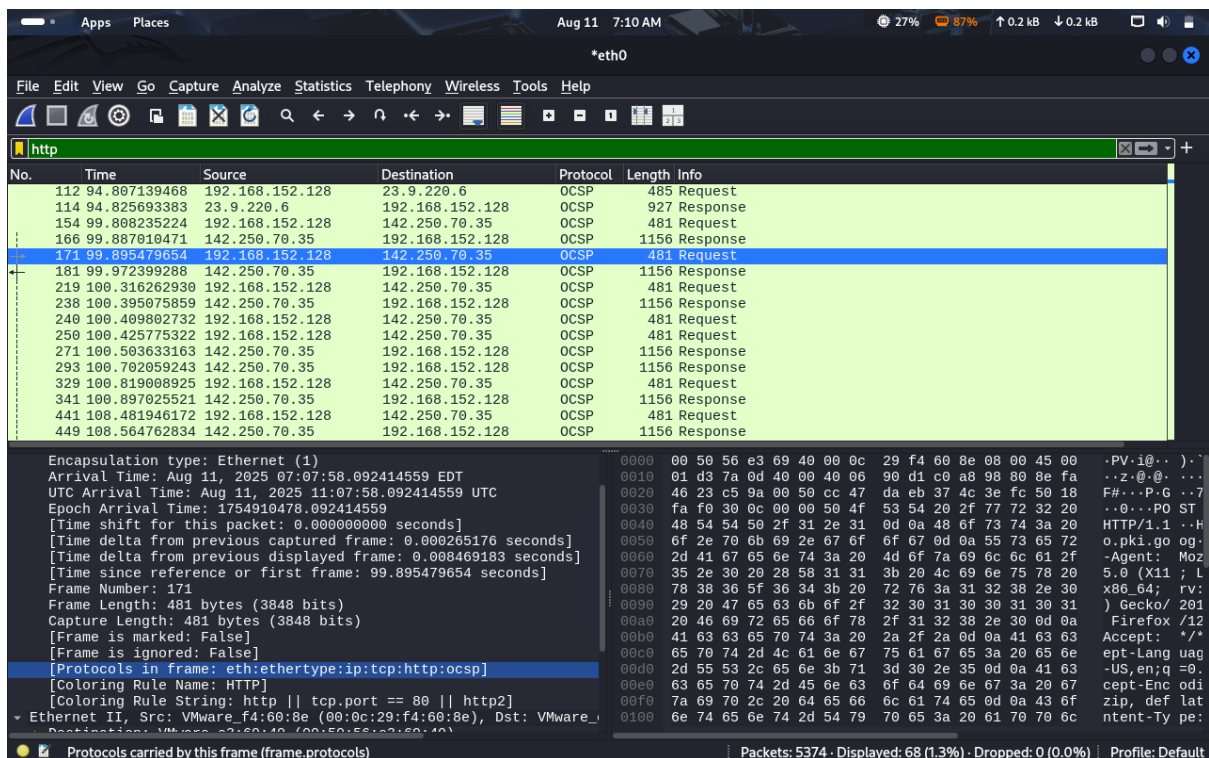
Her first I have installed wireshark.



Here I have opened my college website from the browser and I have accessed the data here



Know I have used the command http and I have run it



Aug 11 7:12 AM 21% 89% ↑ 0.0 kB ↓ 0.0 kB

*eth0

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
163	99.876815244	192.168.152.128	142.250.70.35	TCP	74	50586 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM
164	99.880481049	192.168.152.128	142.251.220.36	QUIC	82	Handshake, DCID=e382d5b7078f1797, SCID=42c736
165	99.880566186	192.168.152.128	142.251.220.36	QUIC	82	Handshake, DCID=e382d5b7078f1797, SCID=42c736
166	99.887010471	142.250.70.35	192.168.152.128	OCSP	1156	Response
167	99.887049133	192.168.152.128	142.250.70.35	TCP	54	50580 → 80 [ACK] Seq=428 Ack=1103 Win=63138 Len=0
168	99.893706021	142.250.70.35	192.168.152.128	TCP	60	80 → 50586 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460
169	99.893752377	192.168.152.128	142.250.70.35	TCP	54	50586 → 80 [ACK] Seq=1 Ack=1 Win=64240 Len=0
170	99.895214478	142.251.220.36	192.168.152.128	QUIC	84	Handshake, DCID=42c736, SCID=e382d5b7078f1797
171	99.895479654	192.168.152.128	142.250.70.35	OCSP	481	Request
172	99.895986740	142.250.70.35	192.168.152.128	TCP	60	80 → 50586 [ACK] Seq=1 Ack=428 Win=64240 Len=0
173	99.898979474	192.168.152.128	142.251.220.36	QUIC	175	Protected Payload (KP0), DCID=e382d5b7078f1797
174	99.899084516	192.168.152.128	142.251.220.36	QUIC	109	Protected Payload (KP0), DCID=e382d5b7078f1797
175	99.899613069	192.168.152.128	142.251.220.36	QUIC	221	Protected Payload (KP0), DCID=e382d5b7078f1797
176	99.918743489	142.251.220.36	192.168.152.128	QUIC	657	Protected Payload (KP0), DCID=42c736
177	99.918743905	142.251.220.36	192.168.152.128	QUIC	166	Protected Payload (KP0), DCID=42c736
178	99.918743942	142.251.220.36	192.168.152.128	QUIC	68	Protected Payload (KP0), DCID=42c736

Frame 169: 54 bytes on wire (432 bits), 54 bytes captured (432 bits) on interface 0 (eth0)
Section number: 1
Interface id: 0 (eth0)
Encapsulation type: Ethernet (1)
Arrival Time: Aug 11, 2025 07:07:58.090687282 EDT
UTC Arrival Time: Aug 11, 2025 11:07:58.090687282 UTC
Epoch Arrival Time: 1754910478.090687282
[Time shift for this packet: 0.000000000 seconds]
[Time delta from previous captured frame: 0.000046356 seconds]
[Time delta from previous displayed frame: 0.000046356 seconds]
[Time since reference or first frame: 99.893752377 seconds]
Frame Number: 169
Frame Length: 54 bytes (432 bits)
Capture Length: 54 bytes (432 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:tcp]
[Coloring Rule Name: UDP]

Protocols carried by this frame (frame.protocols) Packets: 5374 · Dropped: 0 (0.0%) Profile: Default

Aug 11 7:10 AM 23% 87% ↑ 0.0 kB ↓ 0.0 kB

*eth0

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

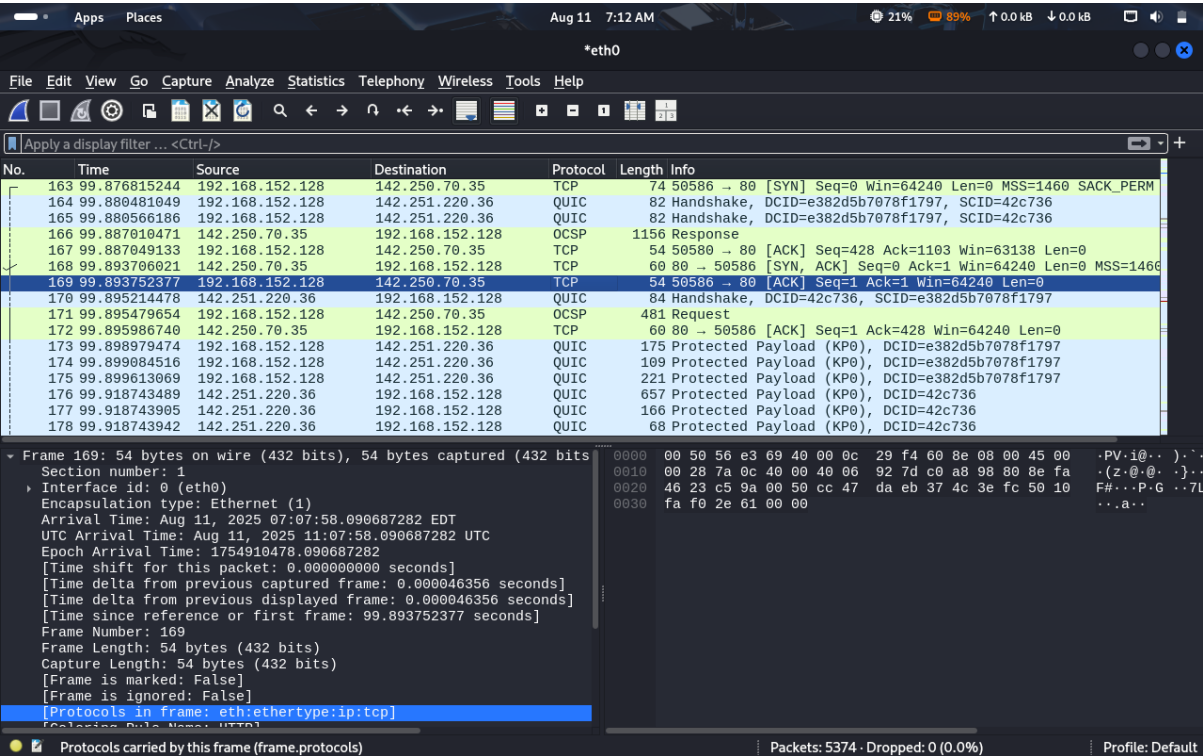
Apply a display filter ... <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
163	99.876815244	192.168.152.128	142.250.70.35	TCP	74	50586 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM
164	99.880481049	192.168.152.128	142.251.220.36	QUIC	82	Handshake, DCID=e382d5b7078f1797, SCID=42c736
165	99.880566186	192.168.152.128	142.251.220.36	QUIC	82	Handshake, DCID=e382d5b7078f1797, SCID=42c736
166	99.887010471	142.250.70.35	192.168.152.128	OCSP	1156	Response
167	99.887049133	192.168.152.128	142.250.70.35	TCP	54	50580 → 80 [ACK] Seq=428 Ack=1103 Win=63138 Len=0
168	99.893706021	142.250.70.35	192.168.152.128	TCP	60	80 → 50586 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1460
169	99.893752377	192.168.152.128	142.250.70.35	TCP	54	50586 → 80 [ACK] Seq=1 Ack=1 Win=64240 Len=0
170	99.895214478	142.251.220.36	192.168.152.128	QUIC	84	Handshake, DCID=42c736, SCID=e382d5b7078f1797
171	99.895479654	192.168.152.128	142.250.70.35	OCSP	481	Request
172	99.895986740	142.250.70.35	192.168.152.128	TCP	60	80 → 50586 [ACK] Seq=1 Ack=428 Win=64240 Len=0
173	99.898979474	192.168.152.128	142.251.220.36	QUIC	175	Protected Payload (KP0), DCID=e382d5b7078f1797
174	99.899084516	192.168.152.128	142.251.220.36	QUIC	109	Protected Payload (KP0), DCID=e382d5b7078f1797
175	99.899613069	192.168.152.128	142.251.220.36	QUIC	221	Protected Payload (KP0), DCID=e382d5b7078f1797
176	99.918743489	142.251.220.36	192.168.152.128	QUIC	657	Protected Payload (KP0), DCID=42c736
177	99.918743905	142.251.220.36	192.168.152.128	QUIC	166	Protected Payload (KP0), DCID=42c736
178	99.918743942	142.251.220.36	192.168.152.128	QUIC	68	Protected Payload (KP0), DCID=42c736

Frame 165: 82 bytes on wire (656 bits), 82 bytes captured (656 bits) on interface 0 (eth0)
Section number: 1
Interface id: 0 (eth0)
Encapsulation type: Ethernet (1)
Arrival Time: Aug 11, 2025 07:07:58.077501091 EDT
UTC Arrival Time: Aug 11, 2025 11:07:58.077501091 UTC
Epoch Arrival Time: 1754910478.077501091
[Time shift for this packet: 0.000000000 seconds]
[Time delta from previous captured frame: 0.000085137 seconds]
[Time delta from previous displayed frame: 0.000085137 seconds]
[Time since reference or first frame: 99.880566186 seconds]
Frame Number: 165
Frame Length: 82 bytes (656 bits)
Capture Length: 82 bytes (656 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:quic]
[Coloring Rule Name: UDP]

Protocols carried by this frame (frame.protocols) Packets: 5374 · Dropped: 0 (0.0%) Profile: Default

In the above picture I have run the three command that were told in the task



Here I have created the file as task5 and it has create pcapng

