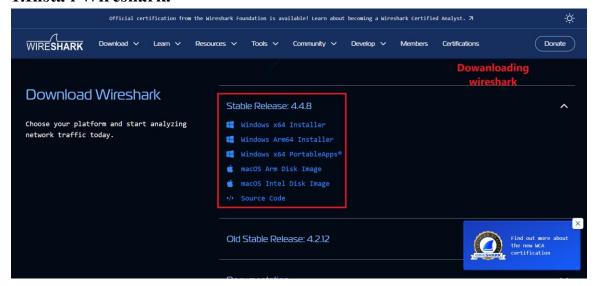
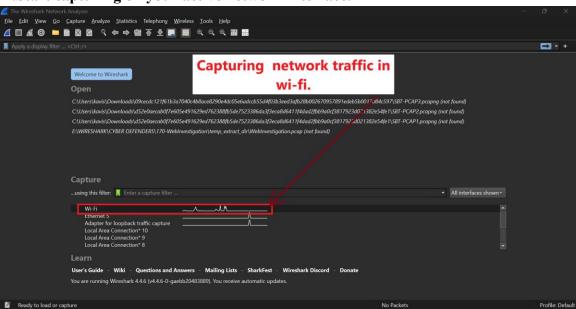
1.Insta l Wireshark.



2.Start capturing on your active network interface.



3. Browse a website or ping a server to generate traffic.

```
Pinging google.com [2404:6800:4009:80a::200e] with 32 bytes of data:
Reply from 2404:6800:4009:80a::200e: time=85ms
Reply from 2404:6800:4009:80a::200e: time=74ms
Reply from 2404:6800:4009:80a::200e: time=68ms
Reply from 2404:6800:4009:80a::200e: time=51ms
Ping statistics for 2404:6800:4009:80a::200e:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 51ms, Maximum = 85ms, Average = 69ms
Tracing route to apple.com [2620:149:af0::10]
over a maximum of 30 hops:
                        2 ms 2409:40f4:215e:ced6::61
       3 ms
                2 ms
      53 ms
               17 ms
                        14 ms 2405:200:5218:24:3924:110:3:412
14 ms 2405:200:5218:24:3925::ff03
 2
  3
      32 ms
               13 ms
 4
                              Request timed out.
                              Request timed out.
 5
                        *
 6
      36 ms
               13 ms
                        15 ms 2405:200:801:4f00::1ec
```

```
C:\WINDOWS\system32\cmd. X
Microsoft Windows [Version 10.0.2._....]
(c) Microsoft Corporation. All rights reserved.
C:\Users\ _____>curl http://amazon.com
<html>
<head><title>301 Moved Permanently</title></head>
<center><h1>301 Moved Permanently</h1></center>
<hr><center>Server</center>
</body>
</html>
C:\Users\\ ab>nslookup openai.com
Server: UnKnown
Address: 192.168.190.
Non-authoritative answer:
Name:
         openai.com
Addresses: 64: ::6812:212d
          64:ff9b::ac40:9ad3
          172.64.
          104.18.33.
C:\Users\...>
```

4. Filter captured packets by protocol (e.g., HTTP, DNS, TCP).

5. Identify at least 3 different protocols in the capture.

