For this task host: http://httpforever.com
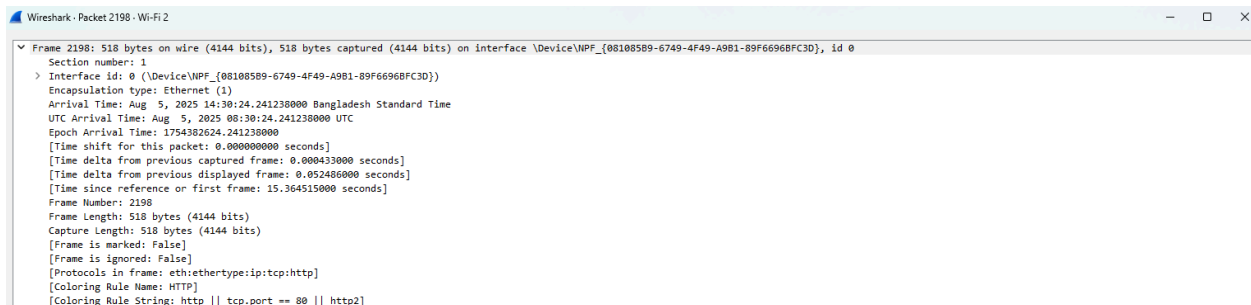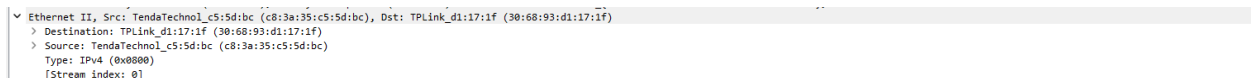
Request Packet:
Picture 1: Frame number is 2198 and length 518 bytes. Data linked layer information.
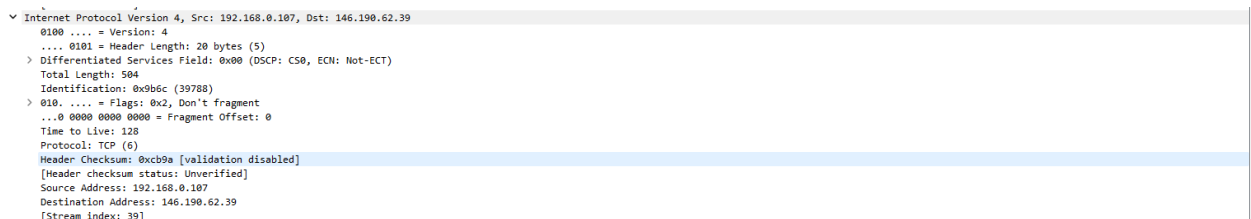

Picture2:
Data link layer information which indicates physical address of source and destination.

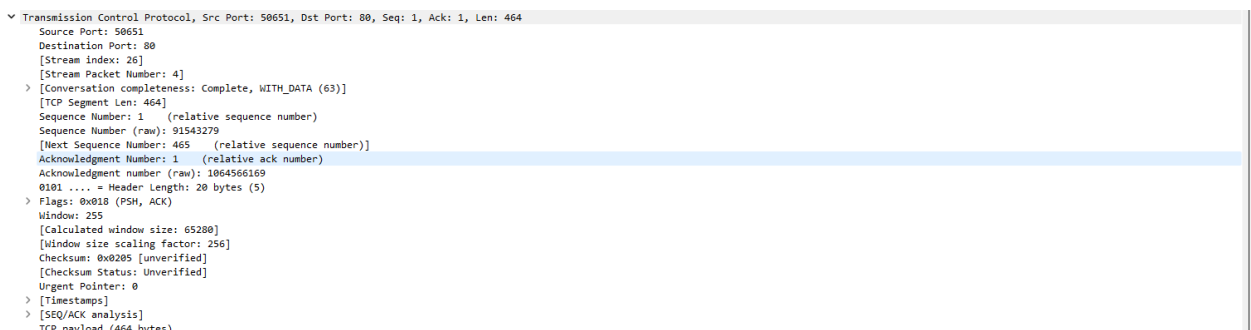Picture3:
Network layer Information. Here source and destination IP is shown.

Picture 4: Transport layer information. Here the source port is 50651 and the destination port is 80.

Picture 5: Application layer information. The GET method is used in the HTTP request. HTTP/1.1 is the version number. The host field has the address of the host. What is html request accept this info is also here.

Response

Picture 1: Frame number is 27213 and length 803 bytes. Data linked layer information.

```
✓ Frame 27213: 803 bytes on wire (6424 bits), 803 bytes captured (6424 bits) on interface \Device\NPF_{081085B9-6749-4F49-A9B1-89F
    Section number: 1
  > Interface id: 0 (\Device\NPF_{081085B9-6749-4F49-A9B1-89F6696BFC3D})
    Encapsulation type: Ethernet (1)
    Arrival Time: Aug  5, 2025 14:53:18.194502000 Bangladesh Standard Time
    UTC Arrival Time: Aug  5, 2025 08:53:18.194502000 UTC
    Epoch Arrival Time: 1754383998.194502000
    [Time shift for this packet: 0.000000000 seconds]
    [Time delta from previous captured frame: 0.000099000 seconds]
    [Time delta from previous displayed frame: 0.242056000 seconds]
    [Time since reference or first frame: 1389.317779000 seconds]
    Frame Number: 27213
    Frame Length: 803 bytes (6424 bits)
    Capture Length: 803 bytes (6424 bits)
    [Frame is marked: False]
    [Frame is ignored: False]
    [Protocols in frame: eth:ethertype:ip:tcp:http]
    [Coloring Rule Name: HTTP]
    [Coloring Rule String: http || tcp.port == 80 || http2]
```

Picture2:

Data link layer information which indicates physical address of source and destination.

```
✓ Ethernet II, Src: TPLink_d1:17:1f (30:68:93:d1:17:1f), Dst: TendaTechnol_c5:5d:bc (c8:3a:35:c5:5d:bc)
  > Destination: TendaTechnol_c5:5d:bc (c8:3a:35:c5:5d:bc)
  > Source: TPLink_d1:17:1f (30:68:93:d1:17:1f)
    Type: IPv4 (0x0800)
    [Stream index: 0]
```

Picture3:

Network layer Information. Here source and destination IP is shown.

```
✓ Internet Protocol Version 4, Src: 146.190.62.39, Dst: 192.168.0.107
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 789
    Identification: 0xf841 (63553)
  > 010. .... = Flags: 0x2, Don't fragment
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 45
    Protocol: TCP (6)
    Header Checksum: 0xc0a8 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 146.190.62.39
    Destination Address: 192.168.0.107
    [Stream index: 39]
```

Picture 4: Transport layer information. Here the source port is 80 and the destination port is 50651 Also Sequence number, acknowledge number is present here. Which flags are used (push and ack flag) also shown in this.

```
✓ Transmission Control Protocol, Src Port: 80, Dst Port: 50906, Seq: 1, Ack: 539, Len: 749
    Source Port: 80
    Destination Port: 50906
    [Stream index: 318]
    [Stream Packet Number: 6]
  > [Conversation completeness: Incomplete, DATA (15)]
    [TCP Segment Len: 749]
    Sequence Number: 1    (relative sequence number)
    Sequence Number (raw): 300361742
    [Next Sequence Number: 750    (relative sequence number)]
    Acknowledgment Number: 539    (relative ack number)
    Acknowledgment number (raw): 3041008209
    0101 .... = Header Length: 20 bytes (5)
  > Flags: 0x018 (PSH, ACK)
    Window: 501
    [Calculated window size: 64128]
    [Window size scaling factor: 128]
    Checksum: 0xe579 [unverified]
    [Checksum Status: Unverified]
    Urgent Pointer: 0
  > [Timestamps]
  > [SEQ/ACK analysis]
    TCP payload (749 bytes)
```

Picture 5: Application layer information. The GET method is used in the HTTP request. HTTP/1.1 is the version number with carriage return and line break. The host field has the address of the host. Last modified date information is also shown. Connection is: keep alive. Date of response is present.

```
' Hypertext Transfer Protocol
  > HTTP/1.1 304 Not Modified\r\n
    Server: nginx/1.18.0 (Ubuntu)\r\n
    Date: Tue, 05 Aug 2025 08:53:24 GMT\r\n
    Last-Modified: Wed, 22 Mar 2023 14:54:48 GMT\r\n
    Connection: keep-alive\r\n
    ETag: "641b16b8-1404"\r\n
    Referrer-Policy: strict-origin-when-cross-origin\r\n
    X-Content-Type-Options: nosniff\r\n
    Feature-Policy: accelerometer 'none'; camera 'none'; geolocation 'none'; gyroscope 'none'; magnetometer 'none'; microphone 'none'; payment 'none'; usb 'none'\r\n
    [...] Content-Security-Policy: default-src 'self'; script-src cdnjs.cloudflare.com 'self'; style-src cdnjs.cloudflare.com 'self' fonts.googleapis.com 'unsafe-inline'; font-src fonts.googlea
    \r\n
    [Request in frame: 27181]
    [Time since request: 0.242056000 seconds]
    [Request URI: /]
    [Full request URI: http://146.190.62.39/]
```