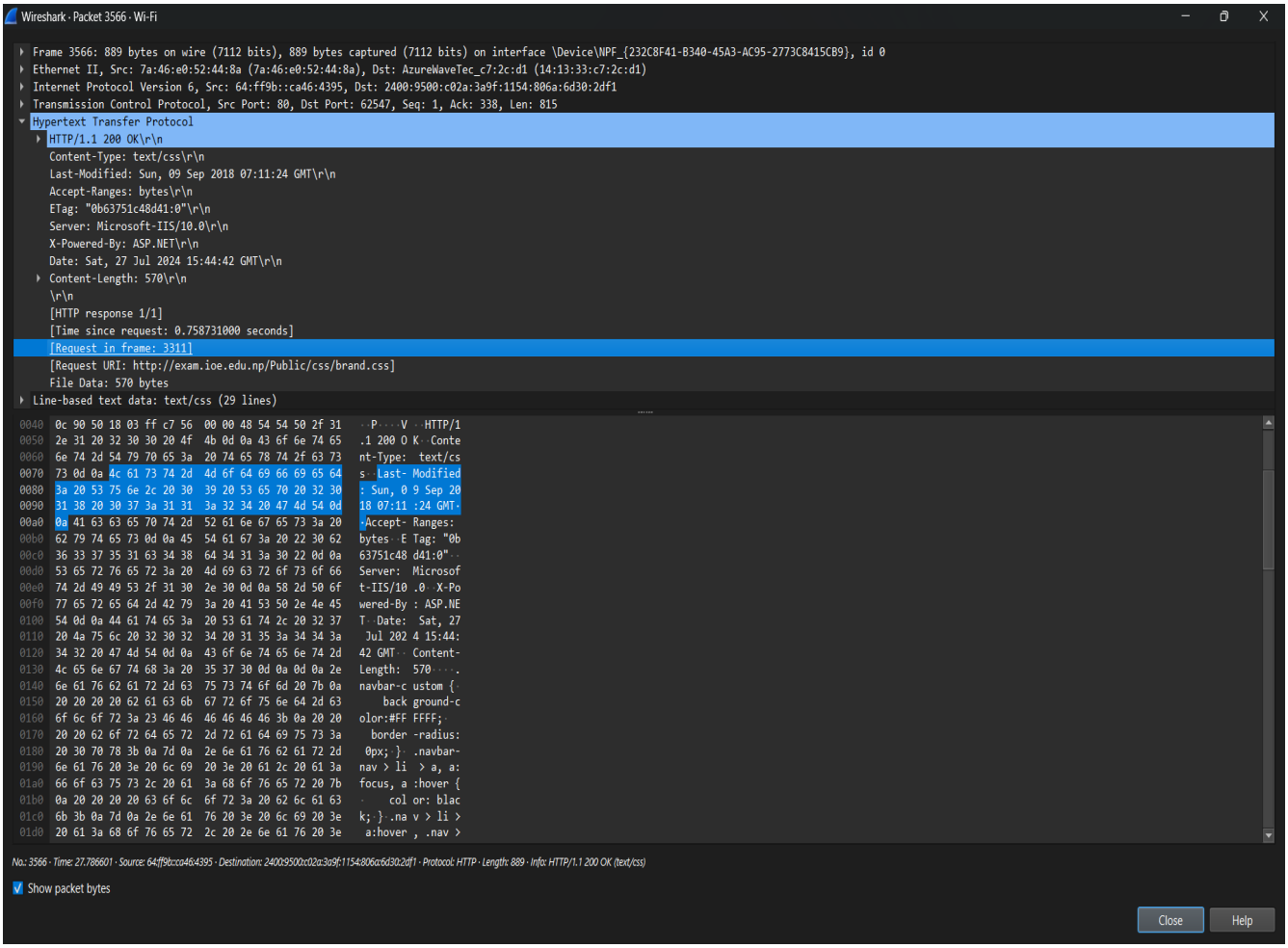
1.Capture the packet while sending an HTTP request also capture the response.Disect the requrest and response.

The response on capturing http on the website is as shown in figure below :



Descriptions:

1)HTTP RESPONSE:

- **Status Line:** `HTTP/1.1 200`
- **Protocol Version:** HTTP/1.1
- **Status Code:** 200
- **Status Message:** OK

Content-Type: text/css (specifies the media type of the resource).

Last-Modified: Sun, 09 Sep 2018 07:11:24 GMT(Indicates when the resource was last modified)

Accept-Ranges: bytes(Indicates that the server accepts range requests)

ETag: "0b637512b448d1:0"(Unique identifier for the specific version of the resource)

Server: Microsoft-IIS/10.0(Identifies the software used by the server)

X-Powered-By: ASP.NET(Indicates the technology supporting the server)

Date: Sat, 27 Jul 2024 15:44:42 GMT(Date and time the response was generated)

Content-Length: 570(Size of the response body in bytes)

2)HTTP REQUEST:

headers:

Host: exam.ioe.edu.np(The domain name of the server)

User-Agent: <Browser details>(Information about the browser and operating system)

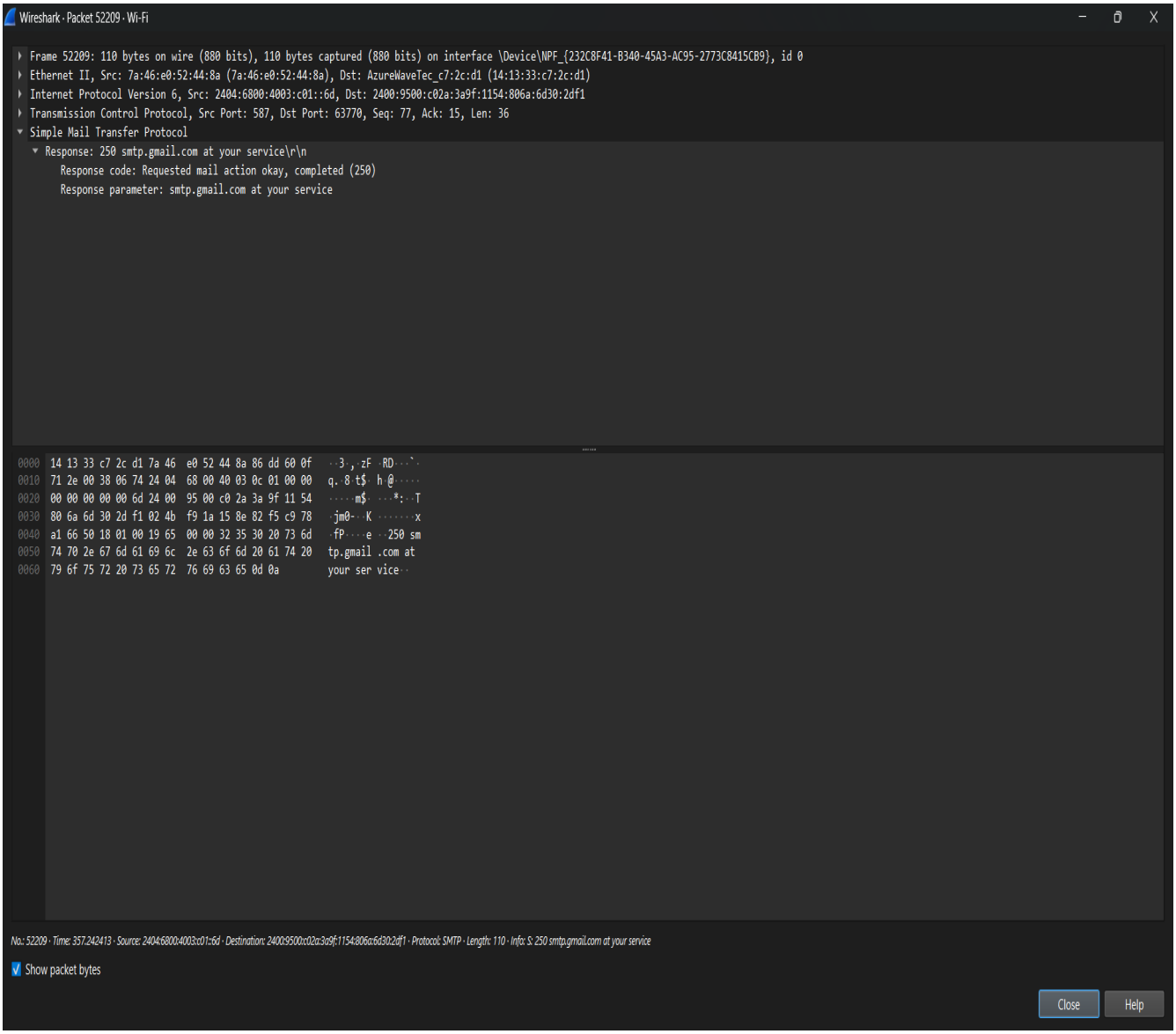
Accept: text/css,*/*;q=0.1(Specifies the media types the client is willing to accept)

Accept-Language: en-US,en;q=0.9(preferred languages for the response)

Accept-Encoding: gzip, deflate(Encoding methods the client supports)

Connection: keep-alive (Type of connection the client prefers)

2)Capture the packet while sending an email.


Wireshark · Packet 52209 · Wi-Fi
Frame 52209: 110 bytes on wire (880 bits), 110 bytes captured (880 bits) on interface \Device\NPF_{232C8F41-B340-45A3-AC95-2773C8415CB9}, id 0
Ethernet II, Src: 7a:46:e0:52:44:8a (7a:46:e0:52:44:8a), Dst: AzureWaveTec_c7:2c:d1 (14:13:33:c7:2c:d1)
Internet Protocol Version 6, Src: 2404:6800:4003:c01::6d, Dst: 2400:9500:c02a:3a9f:1154:806a:6d30:2df1
Transmission Control Protocol, Src Port: 587, Dst Port: 63770, Seq: 77, Ack: 15, Len: 36
Simple Mail Transfer Protocol
Response: 250 smtp.gmail.com at your service\r\n
Response code: Requested mail action okay, completed (250)
Response parameter: smtp.gmail.com at your service
0000 14 13 33 c7 2c d1 7a 46 e0 52 44 8a 86 dd 60 0f
0010 71 2e 00 38 06 74 24 04 68 00 40 03 0c 01 00 00
0020 00 00 00 00 00 6d 24 00 95 00 c0 2a 3a 9f 11 54
0030 80 6a 6d 30 2d f1 02 4b f9 1a 15 8e 82 f5 c9 78
0040 a1 66 50 18 01 00 19 65 00 00 32 35 30 20 73 6d
0050 74 70 2e 67 6d 61 69 6c 2e 63 6f 6d 20 61 74 20
0060 79 6f 75 72 20 73 65 72 76 69 63 65 0d 0a
No.: 52209 · Time: 357.242413 · Source: 2404:6800:4003:c01::6d · Destination: 2400:9500:c02a:3a9f:1154:806a:6d30:2df1 · Protocol: SMTP · Length: 110 · Info: S: 250 smtp.gmail.com at your service
Show packet bytes
Close
Help