

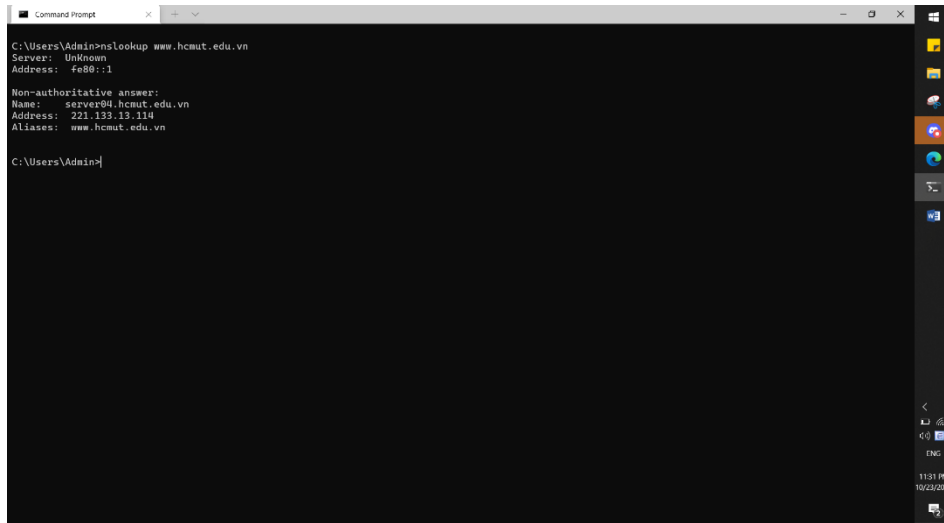
COMPUTER NETWORK LAB

LAB 2B

Name: Đinh Hoàng Anh

Student ID: 1952553

LAB 2B

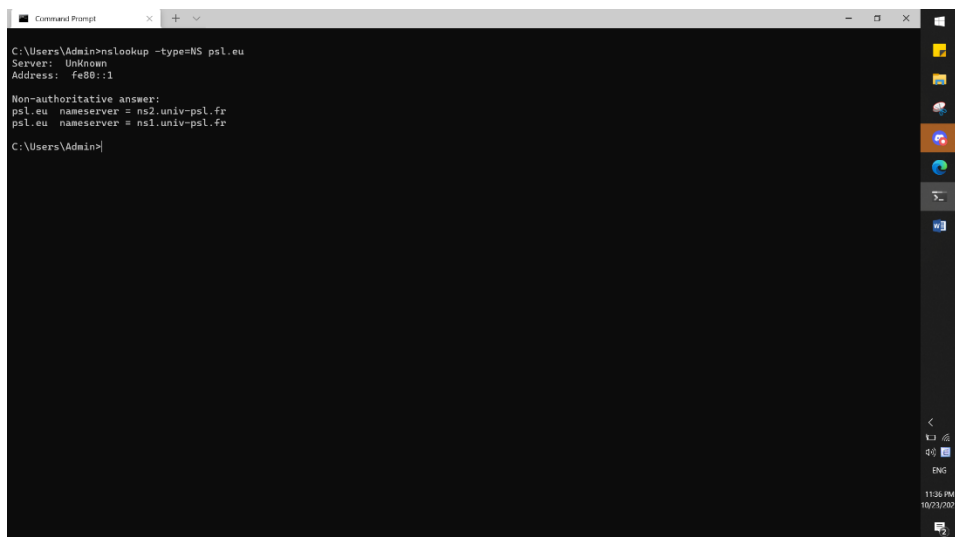


```
Command Prompt
C:\Users\Admin>nslookup www.hcmut.edu.vn
Server: Unknown
Address: fe80::1

Non-authoritative answer:
Name:   server04.hcmut.edu.vn
Address: 221.133.13.114
Aliases: www.hcmut.edu.vn

C:\Users\Admin>
```

1. I queried the webpage of HCMC University of Technology in Vietnam. The IP address for that server was 221.133.13.114



```
Command Prompt
C:\Users\Admin>nslookup -type=NS psl.eu
Server: Unknown
Address: fe80::1

Non-authoritative answer:
psl.eu nameserver = ns2.univ-psl.fr
psl.eu nameserver = ns1.univ-psl.fr

C:\Users\Admin>
```

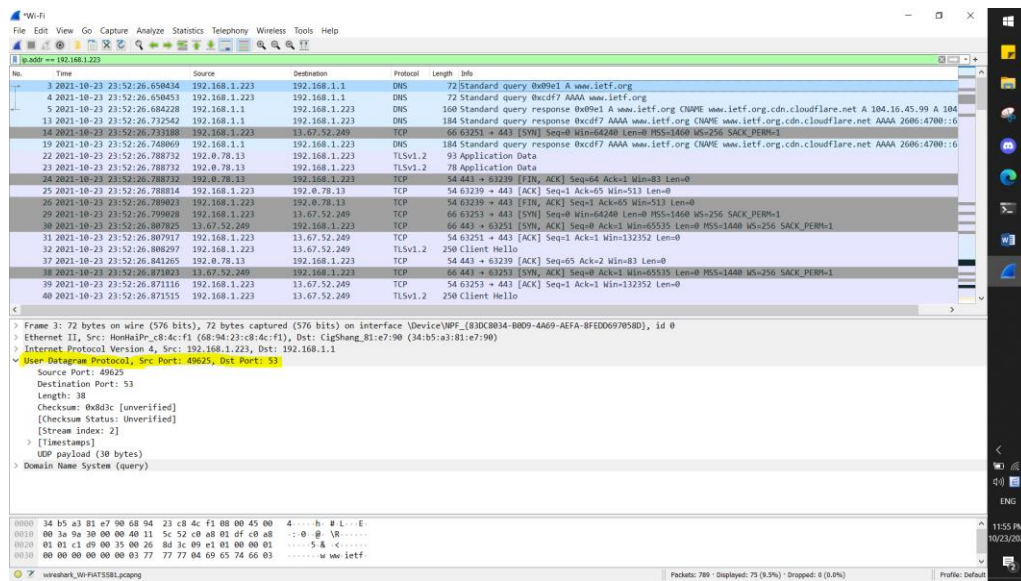
2. I used the webpage of University PSL (Paris Sciences & Lettres). This webpage <https://psl.eu>. The authoritative DNS server is ns2.univ-psl.fr and ns1.univ-psl.fr

```
Command Prompt
C:\Users\Admin>nslookup pls.eu mail.yahoo.com
DNS request timed out.
    timeout was 2 seconds.
Server: Unknown
Address: 2406:2000:e4:1604::1000

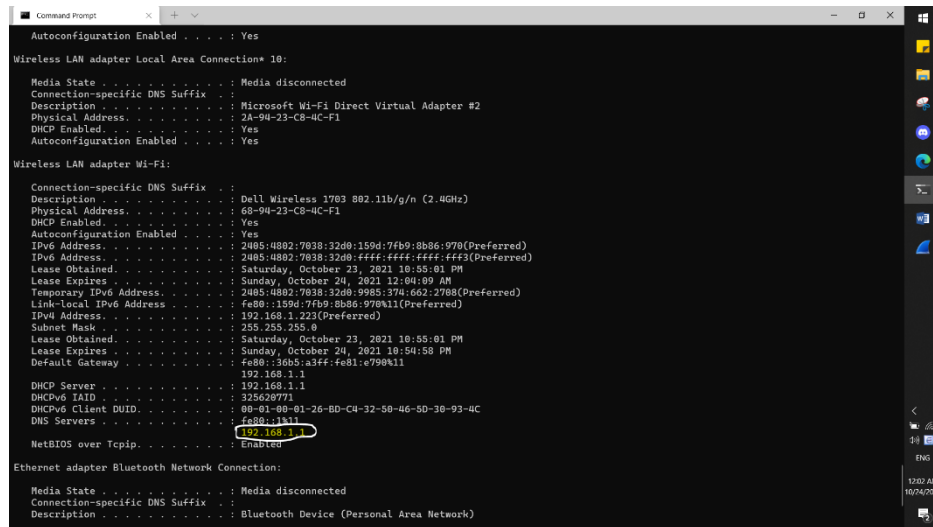
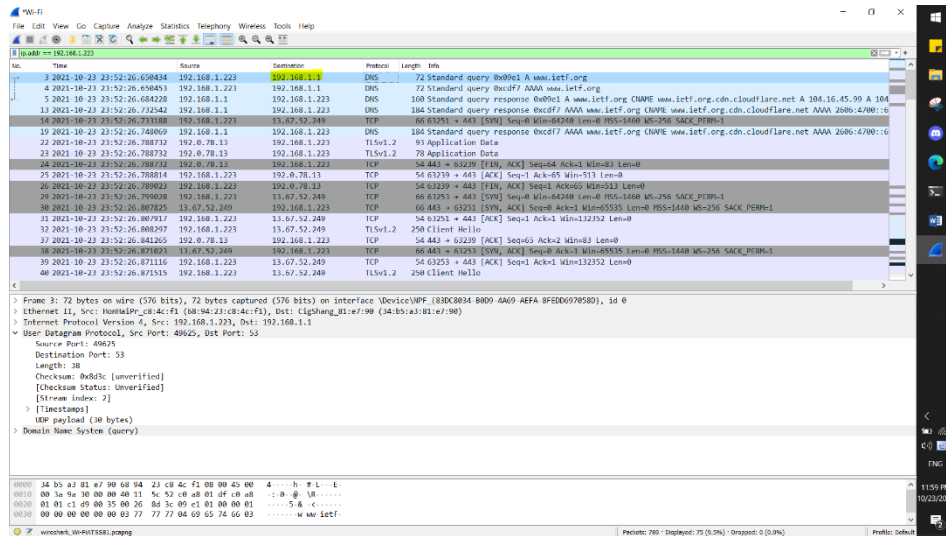
DNS request timed out.
    timeout was 2 seconds.
DNS request timed out.
    timeout was 2 seconds.
DNS request timed out.
    timeout was 2 seconds.
DNS request timed out.
    timeout was 2 seconds.
*** Request to Unknown timed-out

C:\Users\Admin>
```

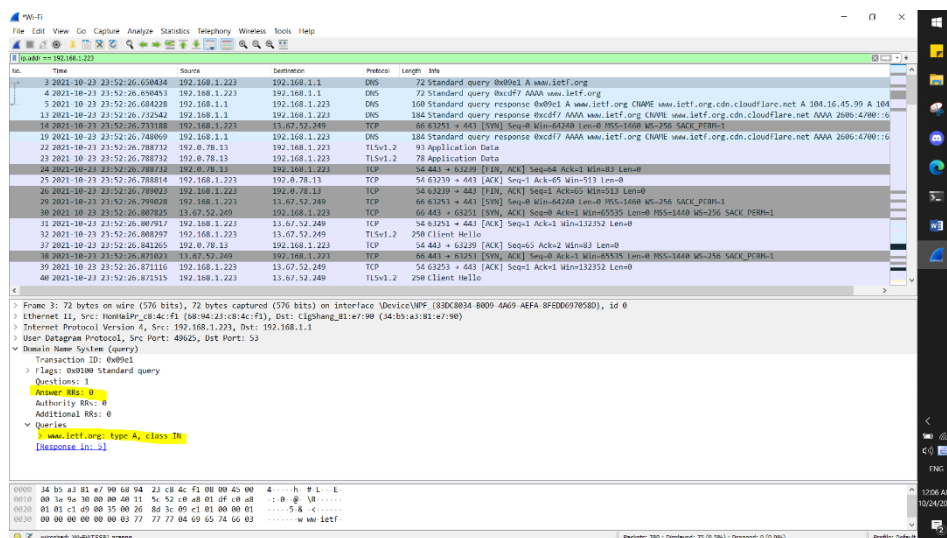
3. The IP address for the DNS server if queried for the Yahoo! Mail server is
2406:2000:e4:1604::1000



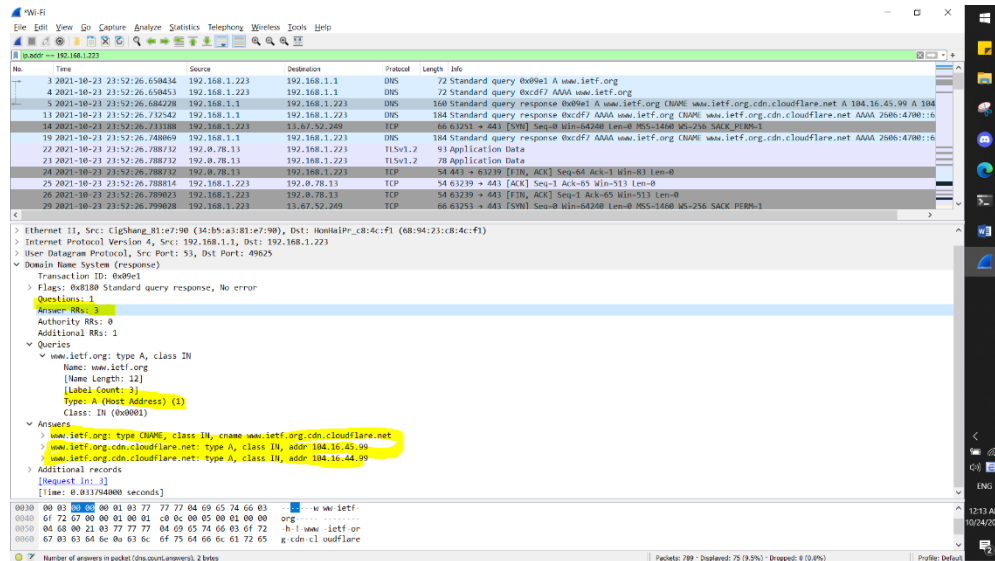
4. The DNS query and response messages are sent over UDP
5. The Destination port is 53, the source port is 49625



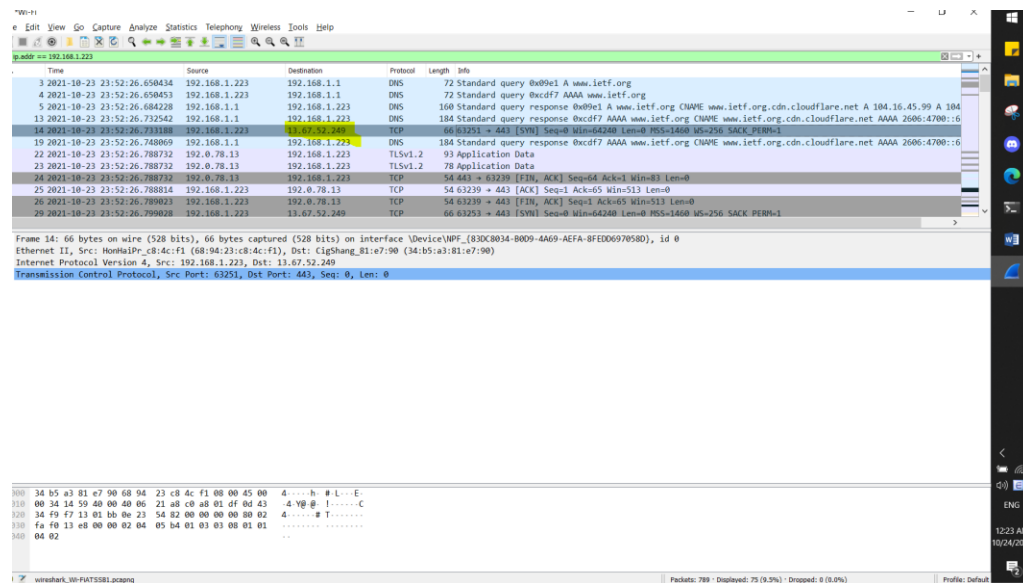
6. The DNS query was sent to IP address 192.168.1.1. Yes, this is same with my local DNS server



7. The query message was a type A query, the message does not contain any “answer”

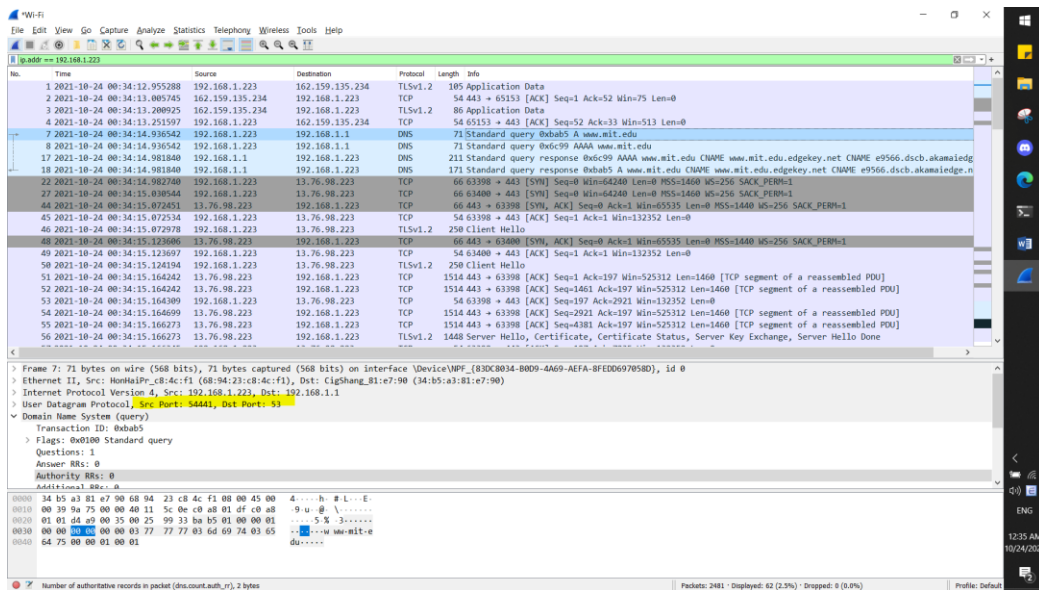


8. There are 3 answer which contain the content as shown in image



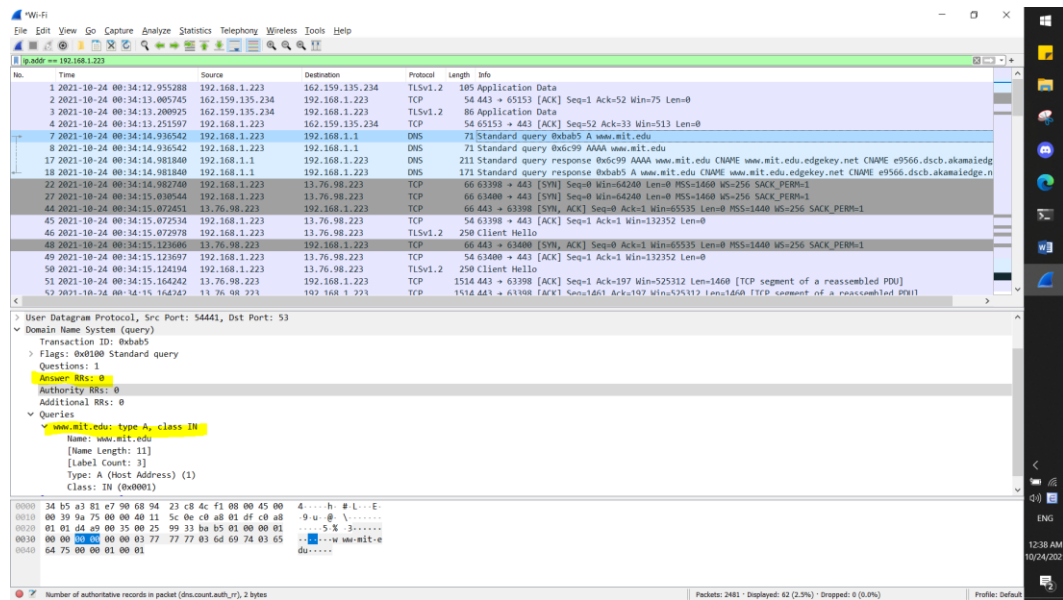
9. The destination of the SYN packet is 13.67.52.249. It does not correspond to any of the IP address provided in the DNS response message

10.

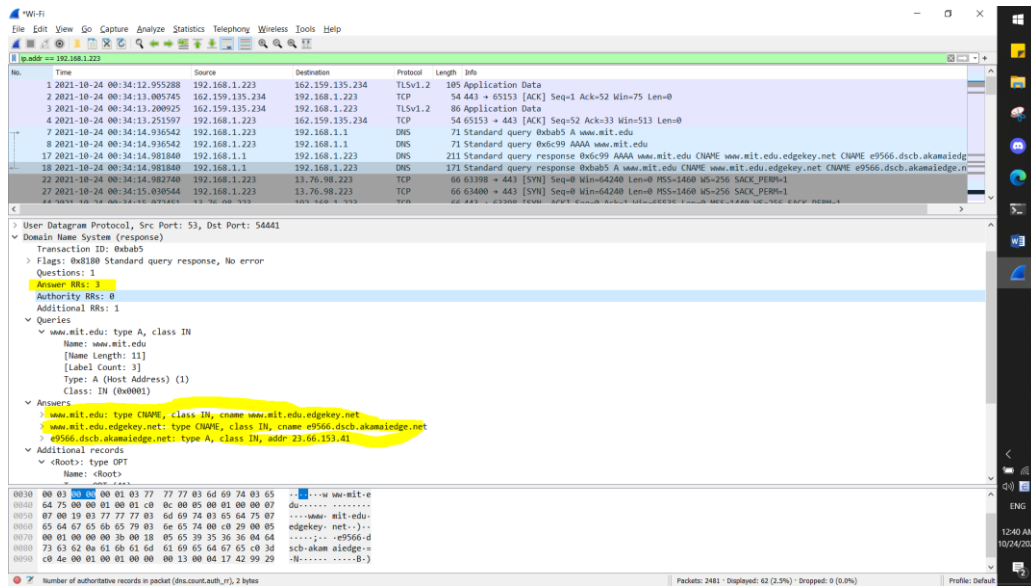


11. Destination Port: 53, Source port: 54441

12. The DNS query was sent to IP address 192.168.1.1. Yes, this is same with my local DNS server

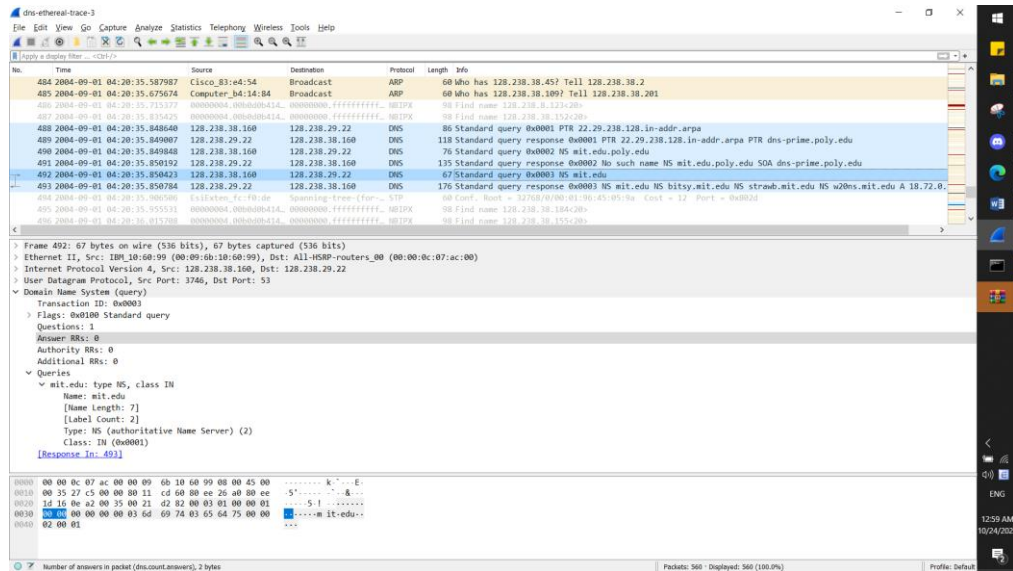


13. The query message was a type A query, the message does not contain any “answer”

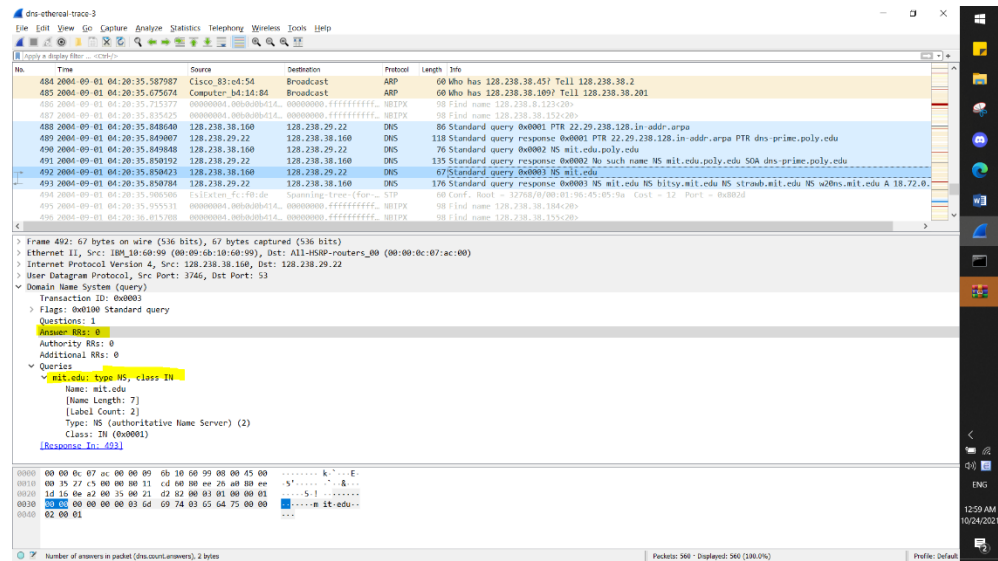


14. There are 3 answer which contain the content as shown in image

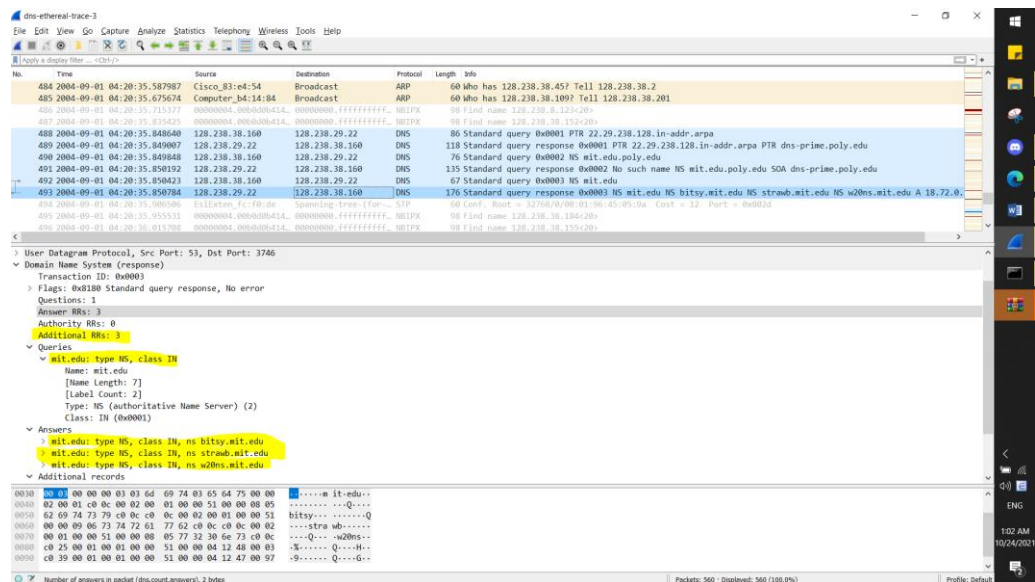
15. I attach screenshot with each answer



16. The query is sent to 128.238.29.22



17. The query message was a type NS query, the message does not contain any “answer”



18. The response message provides 3 MIT nameserver bitsy.mit.edu, strawb.mit.edu, w20ns.mit.edu. The IP addresses for the nameservers was included under the additional records category sent back as part of the response message

19. I included screenshot below each answer

