COMPUTER NETWORKS LAB – WEEK 4

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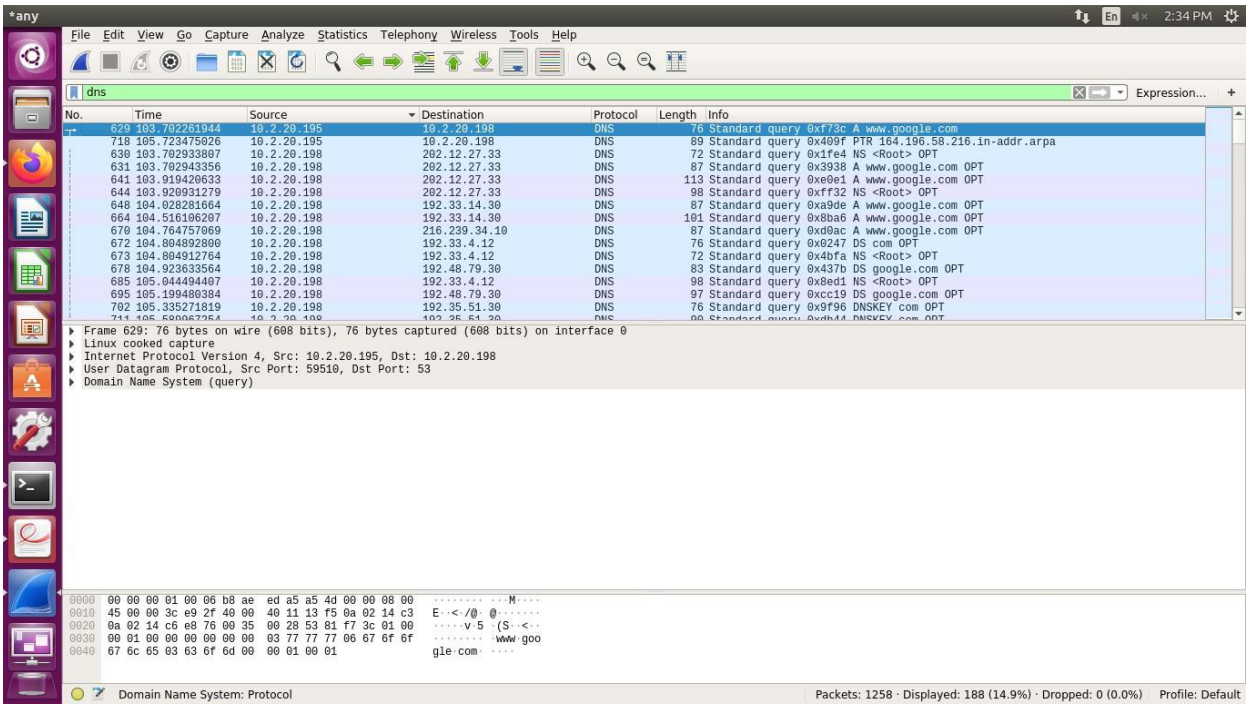
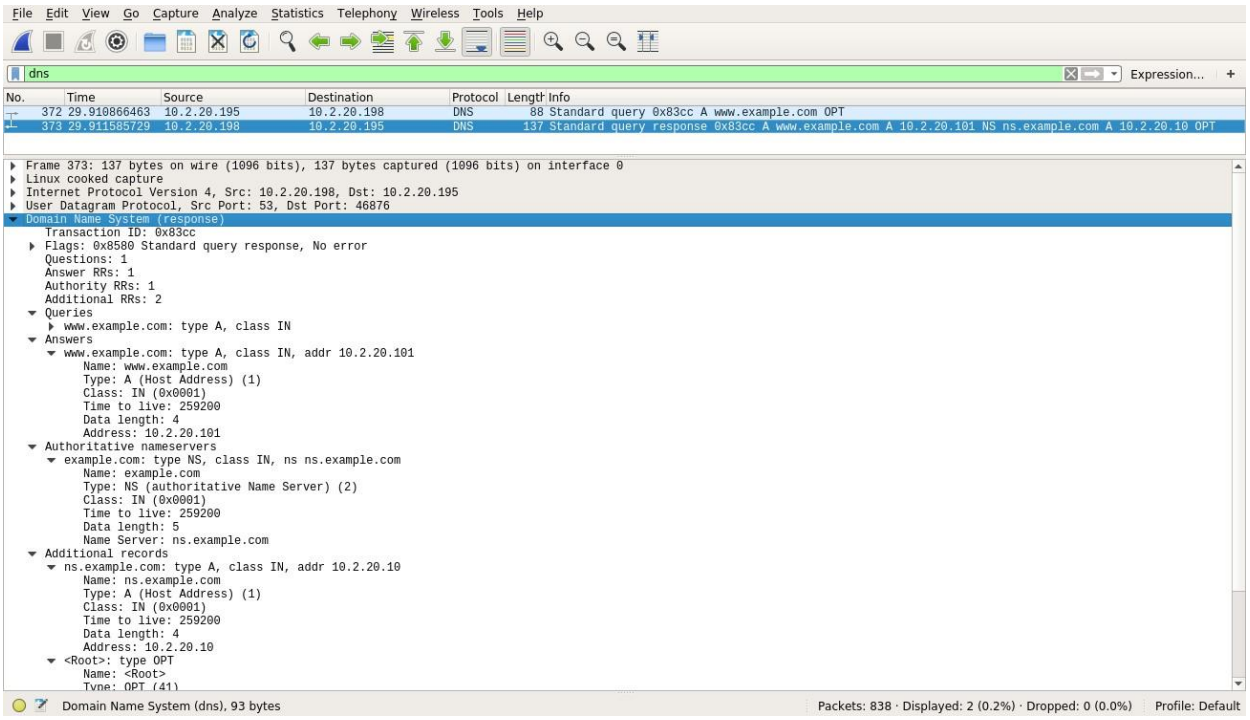
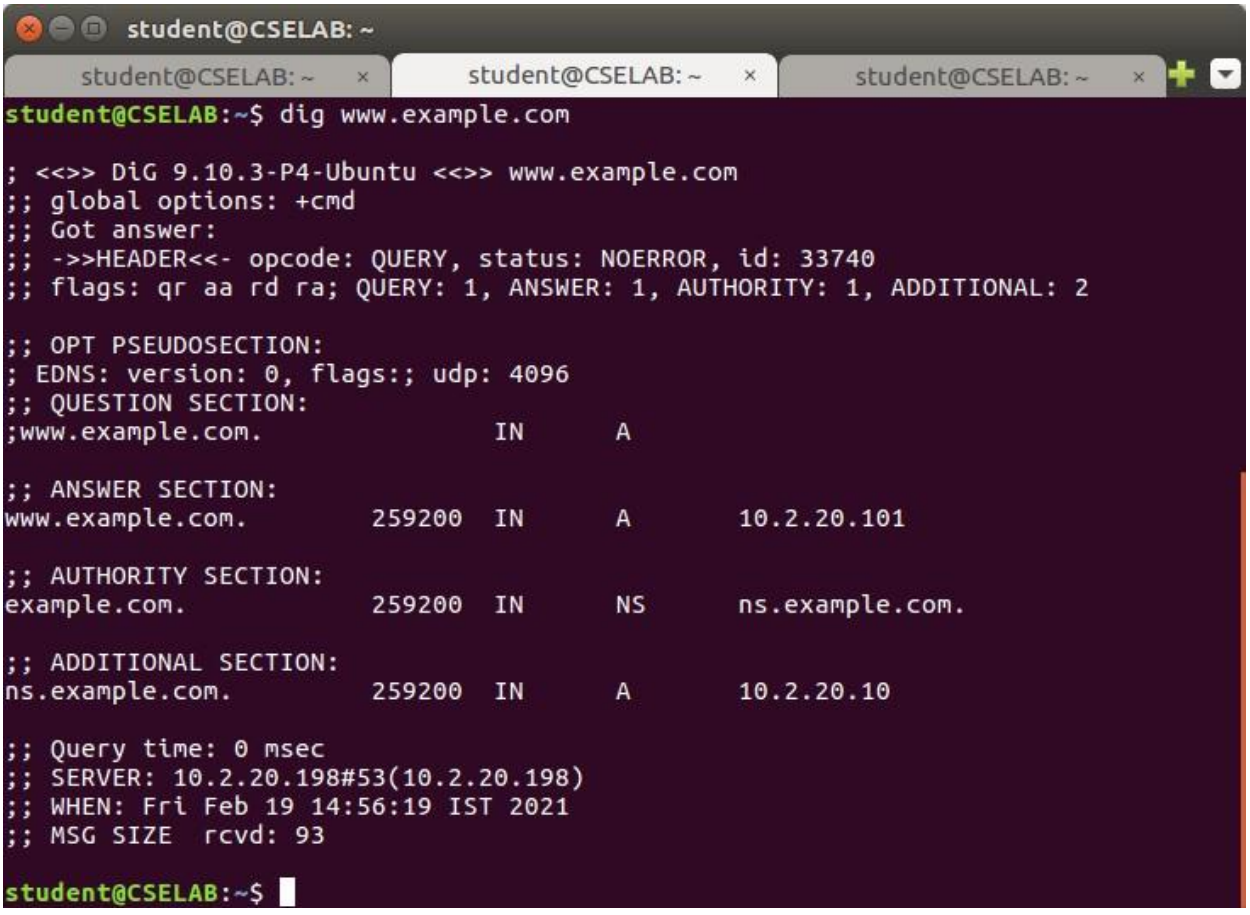
- **Wireshark packet capture – source and destination IP addresses [observation 1-3]**

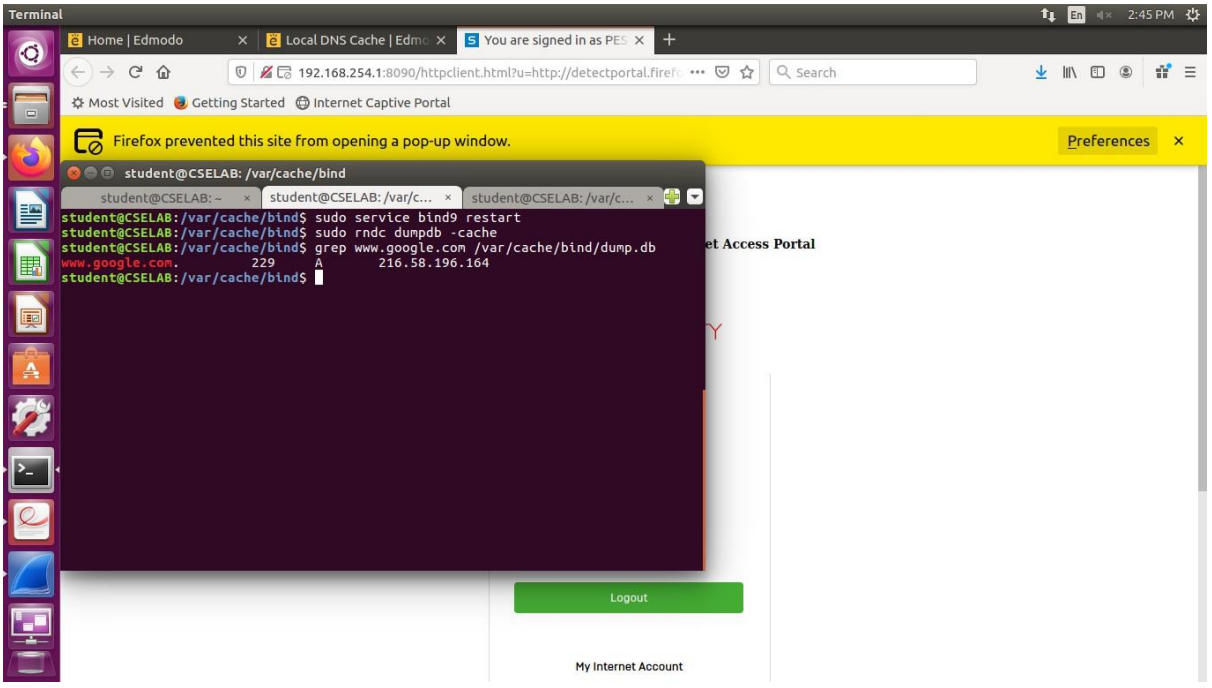


- **(DNS filter for www.example.com)**



- **(dig www.example.com command in terminal)**



```
student@CSELAB: ~
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 20363
;; flags: qr aa rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 1, ADDITIONAL: 2

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 4096
;; QUESTION SECTION:
;www.example.com.               IN      A

;; ANSWER SECTION:
www.example.com.        259200  IN      A       10.2.20.101

;; AUTHORITY SECTION:
example.com.            259200  IN      NS      ns.example.com.

;; ADDITIONAL SECTION:
ns.example.com.         259200  IN      A       10.2.20.10

;; Query time: 0 msec
;; SERVER: 127.0.1.1#53(127.0.1.1)
;; WHEN: Fri Feb 19 14:49:15 IST 2021
;; MSG SIZE  rcvd: 93

student@CSELAB:~$
```

- **DNS Cache for www.google.com**