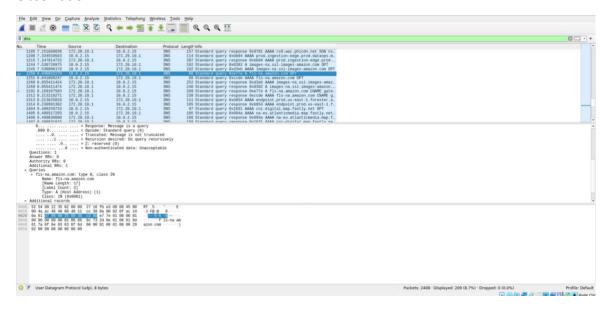
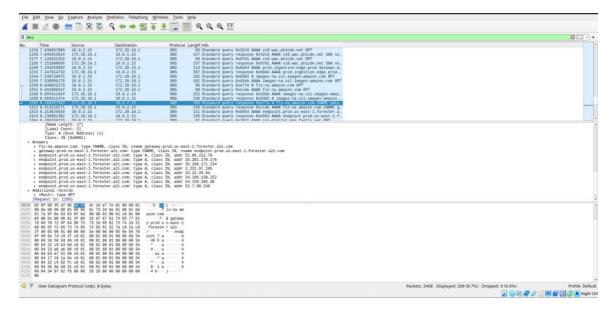
CN LAB WEEK 4

Implementation of Local DNS Server and Authoritative Nameserver

Name: Vanshika Goel	SRN: PES1UG20CS484	Section: H	Roll No: 40

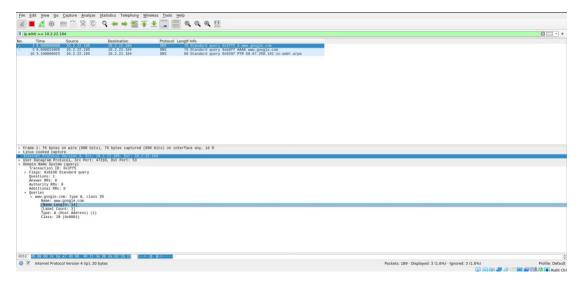
Observation 1



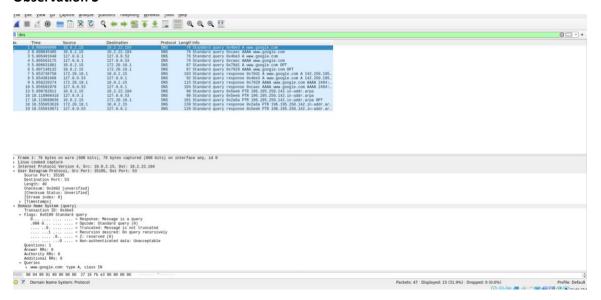


Task 1

Observation 2



Observation 3



Observation 4

vanshika@vanshika:-\$ sudo rndc dumpdb -cache vanshika@vanshika:-\$ sudo rndc flush

```
User Datagram Protocol, Src Port: 53, Dst Port: 43334
- Domain Name System (response)
Transaction ID: 0x1350
Flags: 0x0180 Standard query response, No error
Questions: 1
Answer RRs: 3
Authority RRs: 3
Additional RRs: 0
- Queries
- connectivity-check.ubuntu.com: type A, class IN
Name: connectivity-check.ubuntu.com
[Name Length: 20]
[Label Count: 3]
Type: A (Host Address) (1)
- Answers
                   [Label Count: 3]
Type: A (Most Address) {1}
Class: N( (00003)

- Answers

- connectivity-check.ubuntu.com: type A, class IN, addr 35.232.111.17

Name: connectivity-check.ubuntu.com
Type: A (Most Address) (1)
Class: IN (00003)

Data length: 4
Address: 35.232.111.17

- connectivity-check.ubuntu.com: type A, class IN, addr 35.224.170.84

Name: connectivity-check.ubuntu.com
Type: A (Most Address) (1)
Class: IN (00003)
Time to live: 329 (5 minutes, 29 seconds)
Data length: 4
Address: 35.224.170.84

- connectivity-check.ubuntu.com: type A, class IN, addr 34.122.121.32

Name: connectivity-check.ubuntu.com
Type: A (Most Address) (1)
Class: IN (00003)
Time to live: 329 (5 minutes, 29 seconds)
Data length: 4
Address: 35.224.170.84

- Authoritative nameservers

- ubuntu.com: type NS, class IN, n ssl.canonical.com
Name: ubuntu.com
Type: NS (authoritative Name Server) (2)
Class: IN (00003)
Time to live: 104764 (1 day, 21 hours, 46 minutes, 4 seconds)
Data length: 16
                   Name: connectivity-check.ubuntu.com
Type: A (Most Address) (1)
Class: IN (0x0001)
Time to live: 329 (5 minutes, 29 seconds)
Address: 35.223.111.17
Connectivity-check.ubuntu.com: type A, class IN, addr 35.224.170.84
Name: connectivity-check.ubuntu.com
Type: A (Most Address) (1)
Class: IN (0x0001)
Time to live: 329 (5 minutes, 29 seconds)
Data length: 4
Address: 35.224.170.84
Connectivity-check.ubuntu.com
Type: A (Most Address) (1)
Class: IN (0x0001)
Time to live: 329 (5 minutes, 29 seconds)
Data length: 4
Address: 36.224.170.84
Connectivity-check.ubuntu.com
Type: A (Most Address) (1)
Class: IN (0x0001)
Time to live: 329 (5 minutes, 29 seconds)
Data length: 4
Address: 34.122.121.32
Audiress: 34.18 (0x0001)
Time to live: 104764 (1 day, 21 hours, 46 minutes, 4 seconds)
Data length: 6
Name Server: msl.canonical.com
Type: NS (authoritative Name Server) (2)
Class: IN (0x0001)
Time to live: 104764 (1 day, 21 hours, 46 minutes, 4 seconds)
Data length: 6
Name Server: msl.canonical.com
Type: NS (authoritative Name Server) (2)
Class: IN (0x0001)
Time to live: 104764 (1 day, 21 hours, 46 minutes, 4 seconds)
Data length: 6
Name Server: msl.canonical.com
Type: NS (authoritative Name Server) (2)
Class: IN (0x0001)
Time to live: 104764 (1 day, 21 hours, 46 minutes, 4 seconds)
Data length: 6
Name Server: msl.canonical.com
Request IN (0x0001)
Time to live: 104764 (1 day, 21 hours, 46 minutes, 4 seconds)
Data length: 6
Name Server: msl.canonical.com
Request IN (0x0001)
Time to live: 104764 (1 day, 21 hours, 46 minutes, 4 seconds)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X Close Kinds
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