Advanced Computer Network Lab Assignment: Assignment #2

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Problem 1

Question 1

a)ARP flush before each capture

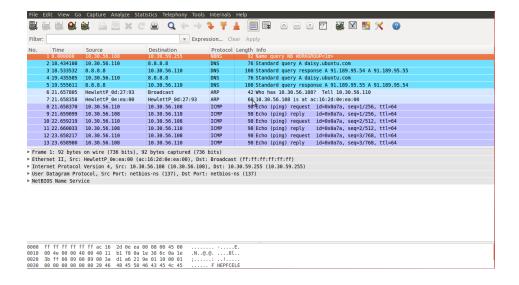
```
reshma@reshma:~

reshma@reshma:~$ sudo ip neigh flush all
sudo: unable to resolve host reshma
[sudo] password for reshma:
reshma@reshma:~$ arp -n
Address HWtype HWaddress Flags Mask Iface
10.30.56.1 (incomplete) eth1
reshma@reshma:~$
```

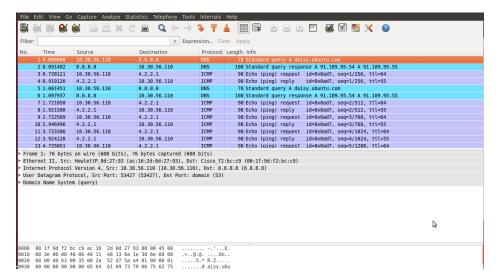
b)Non-promiscuous mode capture

Steps:

- a)Open wireshark
- b)Select the "Capture" option and uncheck the promiscuous mode
- c) Then click "Start" button.
- c)Ping a local machine ping 10.30.56.108



d)Ping 4.2.2.1 ping 4.2.2.1



- e) Determine MAC address values while:
- i)broadcast
- ii)multicast
- i) MAC address of broadcast is ff:ff:ff:ff:ff
- ii) MAC address of multicast is 01:00:5e:00:00:01