

## **Pcap assignment**

1. Write a Simple program which enumerates all the network adapters available to the system.
2. Write a Simple Program which enumerates and print details about found adapters.
3. Write a Program to add a packet capture call for capturing the packets.
4. Write a Program to analyse the packets: classifies ARP or IP. Then, find if TCP or UDP or ICMP. If ICMP packet is captured, program prints the data.
5. Write a Program that gets the IP Addresses from the IP header.
6. Write a Program that adds filters to previous program. (IP and ICMP): all programs from this carry this filter, can be changed and checked.
7. Write a Program that dumps captured data to a file.
8. Write a Program that reads the dump file and displays in hex format.
9. Write a Program to send an ARP request.