Quiz0 student name:

1: (10) list major attacks through Internet and try to analyze about what could be the reasons for the possibilities of these attacks.

2:(20) Describe the packet flow through the Internet in high level picture. What is major function of each connection? how does Network data travel through Internet in detail layers? explain what is in each layer, what's it's function?

3: (15) what is Datalink layer? What is it’s function (Datalink layer)? What is MAC address? how many bytes can it have ? write an example of Broadcast address for data link layer. In iphone, what is the privacy issue related to the MAC address and why it is an issue? how it is solved

4:(20) what is IP address? what is difference between IP v4 and IP v6? which version are we using in this class? why do we need IP address? how does computer recognize ip address? use an example to describe how IP address works, in a bits wise. How do you know how many hosts you can have? Also how do you know how many net you can have and the reasons? Which part of the ip address the router is looking at and why ?

5(20): what is ARP? which layer does it belong to? why do we need ARP?

6:(15) write a C program to use pointer movement to print an integer byte by byte. Need to be able to compile and print out the bytes.