Daniel Rovell
CSC 450
Lab 1

1. Valid Host Addresses: 192.168.8.1 through 192.168.8.14
   Subnet mask: 255.255.255.240

2. That interface is the loopback interface. The loopback interface is used to identify the device.

3. I'd give the lab a 5/10, just because all we did was ping once the setup was done. The Software on the other hand seems like a great tool. We just didn't do much with it. The Topology that shows the network is pretty neat also.

Screen Cap: Half of the ifconfig is cut off.

```
          RX bytes:8833 (8.8 KB)  TX bytes:5488 (5.4 KB)

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)

group@CSC450-instance:~$ ping 192.168.8.1
PING 192.168.8.1 (192.168.8.1) 56(84) bytes of data.
64 bytes from 192.168.8.1: icmp_seq=1 ttl=64 time=0.277 ms
64 bytes from 192.168.8.1: icmp_seq=2 ttl=64 time=0.201 ms
64 bytes from 192.168.8.1: icmp_seq=3 ttl=64 time=0.219 ms
64 bytes from 192.168.8.1: icmp_seq=4 ttl=64 time=0.245 ms
64 bytes from 192.168.8.1: icmp_seq=5 ttl=64 time=0.244 ms
64 bytes from 192.168.8.1: icmp_seq=6 ttl=64 time=0.228 ms
64 bytes from 192.168.8.1: icmp_seq=7 ttl=64 time=0.222 ms
^C
--- 192.168.8.1 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 5998ms
rtt min/avg/max/mdev = 0.201/0.233/0.277/0.029 ms
group@CSC450-instance:~$ ping -c 4 192.168.8.3
PING 192.168.8.3 (192.168.8.3) 56(84) bytes of data.
64 bytes from 192.168.8.3: icmp_seq=1 ttl=64 time=0.207 ms
64 bytes from 192.168.8.3: icmp_seq=2 ttl=64 time=0.119 ms
64 bytes from 192.168.8.3: icmp_seq=3 ttl=64 time=0.118 ms
64 bytes from 192.168.8.3: icmp_seq=4 ttl=64 time=0.113 ms

--- 192.168.8.3 ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 2999ms
rtt min/avg/max/mdev = 0.113/0.139/0.207/0.040 ms
group@CSC450-instance:~$
```