Q6. Ping from one machine to the other. If it fails, use ifconfig to ensure the IP addresses are configured correctly.

ipconfig in windows

```
Wireless LAN adapter Local Area Connection* 1:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::c6d3:c85d:d9bd:d131%3
   IPv4 Address. . . . . . . . . . . : 172.17.24.118
   Subnet Mask . . . . . . . . . . . : 255.255.240.0
   Default Gateway . . . . . . . . . : 172.17.16.1

Ethernet adapter VMware Network Adapter VMnet1:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::b902:56d5:7740:2ac3%2
   IPv4 Address. . . . . . . . . . . : 192.168.142.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :

Ethernet adapter VMware Network Adapter VMnet8:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::5684:b125:9f2:3f3e%10
   IPv4 Address. . . . . . . . . . . : 192.168.224.1
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . :
```

In Linux

```
luffy@luffy-VMware-Virtual-Platform:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
       valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:0c:29:1e:28:9b brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.224.129/24 brd 192.168.224.255 scope global dynamic noprefixroute ens33
       valid_lft 1595sec preferred_lft 1595sec
    inet6 fe80::20c:29ff:fe1e:289b/64 scope link
       valid_lft forever preferred_lft forever
```

Help

MacMachine 1 -> Machine 2 Ping Success

```
C:\Users\brindha>ping 192.168.224.129

Pinging 192.168.224.129 with 32 bytes of data:
Reply from 192.168.224.129: bytes=32 time=1ms TTL=64
Reply from 192.168.224.129: bytes=32 time<1ms TTL=64
Reply from 192.168.224.129: bytes=32 time<1ms TTL=64
Reply from 192.168.224.129: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.224.129:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

Machine 2 -> Machine 1 Ping Success

```
luffy@luffy-VMware-Virtual-Platform:~$ ping 192.168.142.1
PING 192.168.142.1 (192.168.142.1) 56(84) bytes of data.
64 bytes from 192.168.142.1: icmp_seq=1 ttl=128 time=1.23 ms
64 bytes from 192.168.142.1: icmp_seq=2 ttl=128 time=1.36 ms
64 bytes from 192.168.142.1: icmp_seq=3 ttl=128 time=1.65 ms
64 bytes from 192.168.142.1: icmp_seq=4 ttl=128 time=1.22 ms
64 bytes from 192.168.142.1: icmp_seq=5 ttl=128 time=2.44 ms
64 bytes from 192.168.142.1: icmp_seq=6 ttl=128 time=1.69 ms
64 bytes from 192.168.142.1: icmp_seq=7 ttl=128 time=1.48 ms
^C
--- 192.168.142.1 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6012ms
rtt min/avg/max/mdev = 1.222/1.581/2.443/0.391 ms
luffy@luffy-VMware-Virtual-Platform:~$ S
```

Ping from Linux to Windows was Success