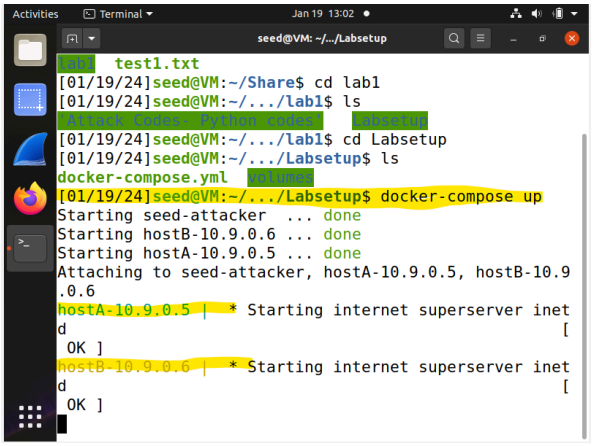
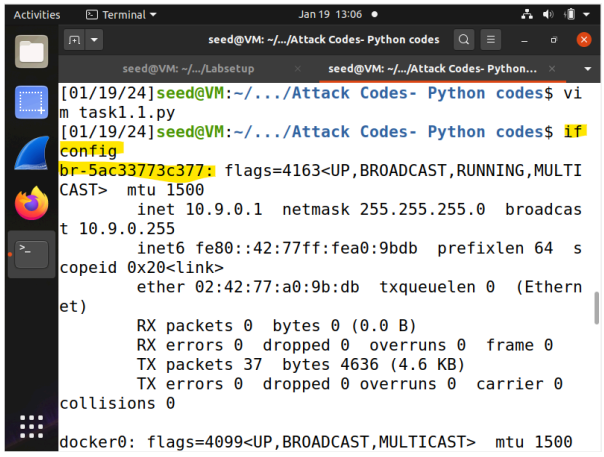
1. **Setting up Host A and Host B using docker-compose up:**



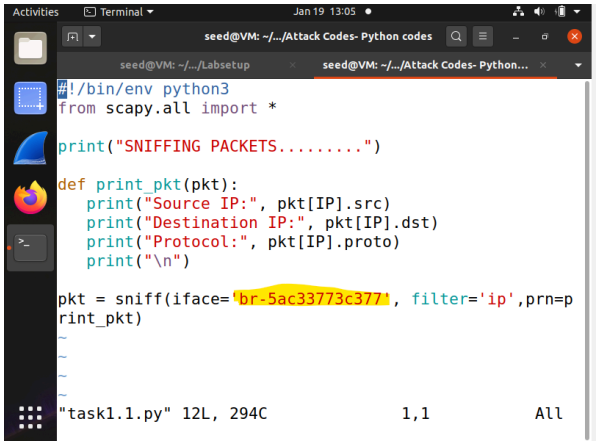
Host A has the IP address 10.9.0.5 and Host B has the IP address 10.9.0.6, both hosts are now started.

2. **Finding my interface address using ifconfig**



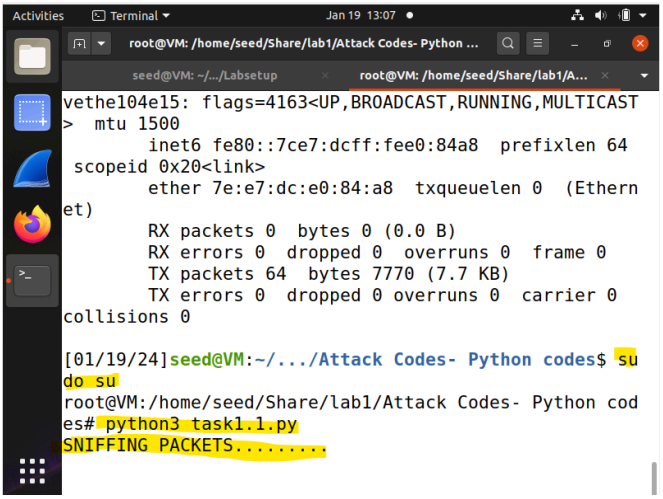
This is my interface address and I found it using ifconfig

3. **Changing interface address in task1.1 python code**



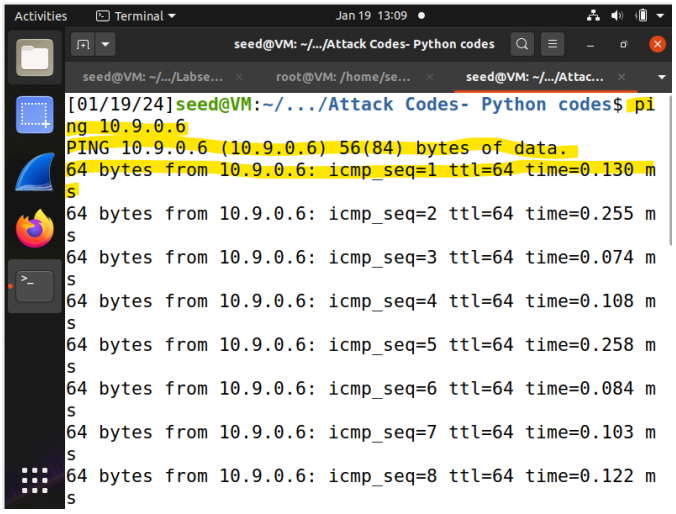
I changed the interface address to mine in the python task1.1 code

4. **Running task1.1 initially starts sniffing packets**



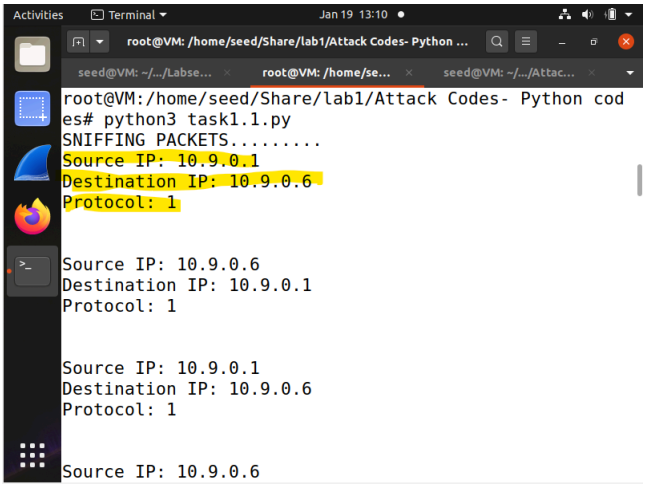
By using sudo su and then running task1.1 I was able to start SNIFFING PACKETS which means that I will be able to see activity such as pings between my LAN and the host

5. **Send a ping to 10.9.0.6**



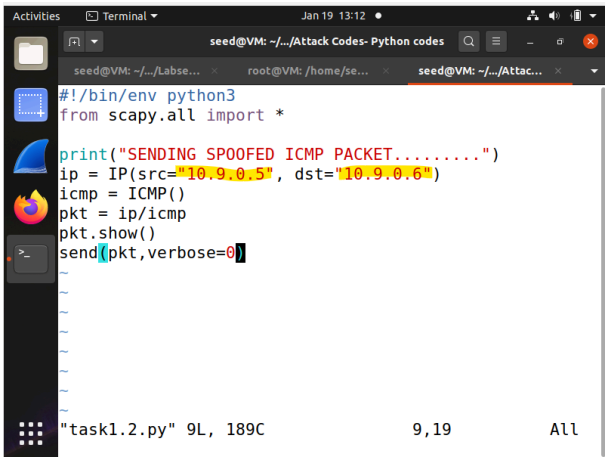
I sent a ping from 10.9.0.6 to test if the packet sniffing was working

6. **Task1.1 is working, and it is showing the source IP and the destination IP of the sent ping**



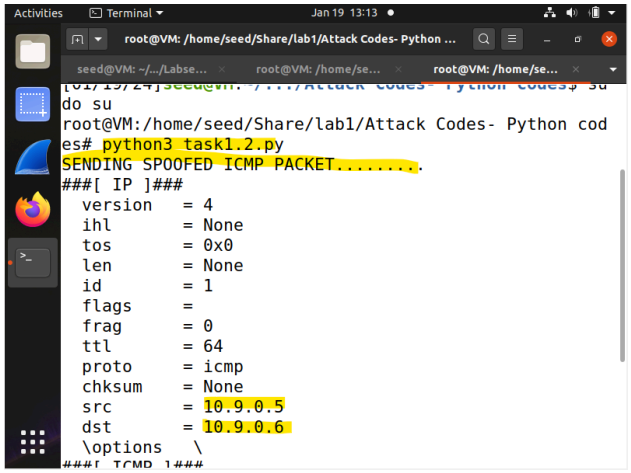
Task 1.1 is complete and working as shown above, the packets were sniffed from the ping and it shows the source IP and destination IP as well.

7. **Setting up source and destination for task1.2**



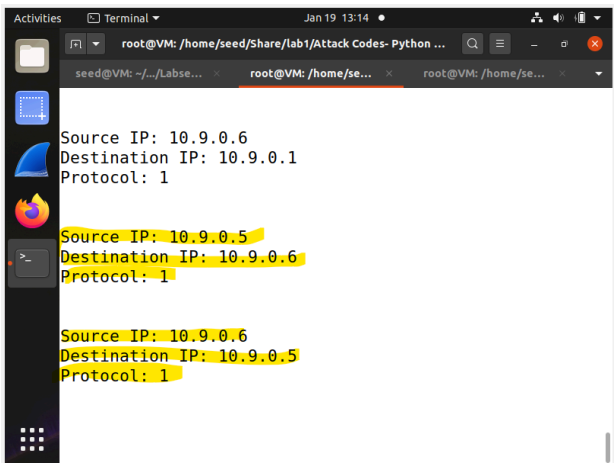
I changed the source and destination IP addresses in the task1.2 code to the two hosts, A and B, I have running.

8. **Sending the spoofed ICMP packet from 10.9.0.5 to 10.9.0.6**



I then sent a spoofed ICMP packet from 10.9.0.5 to destination 10.9.0.6 by running task1.2

9. **Sniffing the spoofed ICMP packet**



I was still sniffing packets and as you can see above, taks1.2 was successfully completed because the source IP is 10.9.0.5 and the destination IP is 10.9.0.6 which is exactly what I sent in step 8.

All of the work above is my own

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Assignment 1