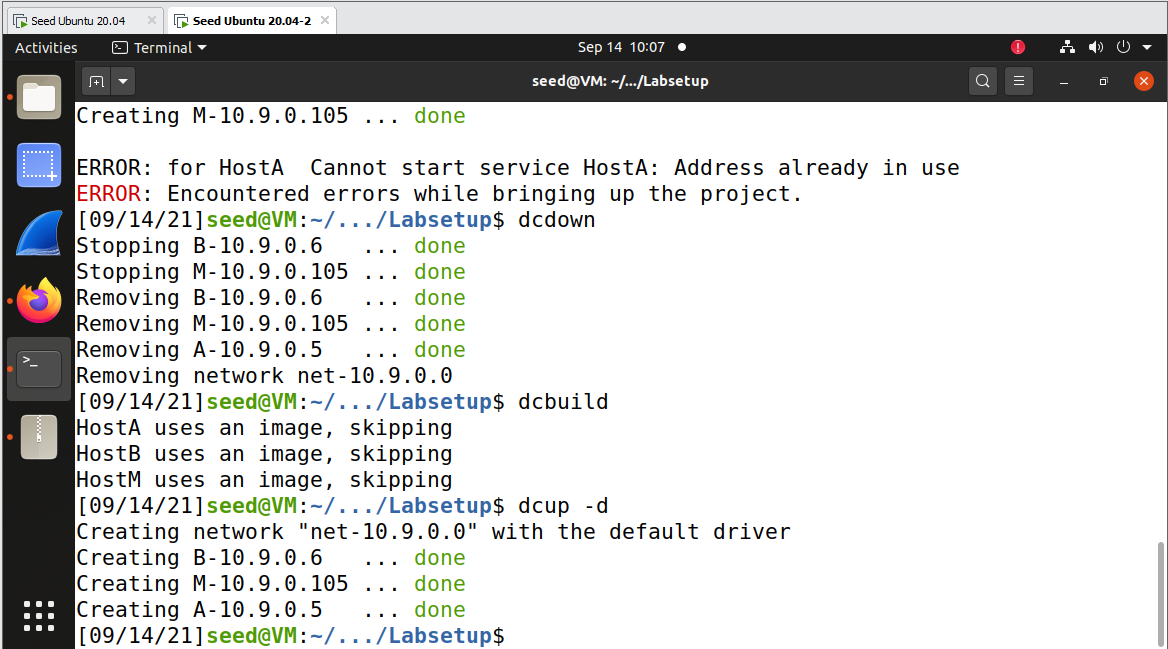
Advanced Computer Networking and Security - 5800

Assignment -3

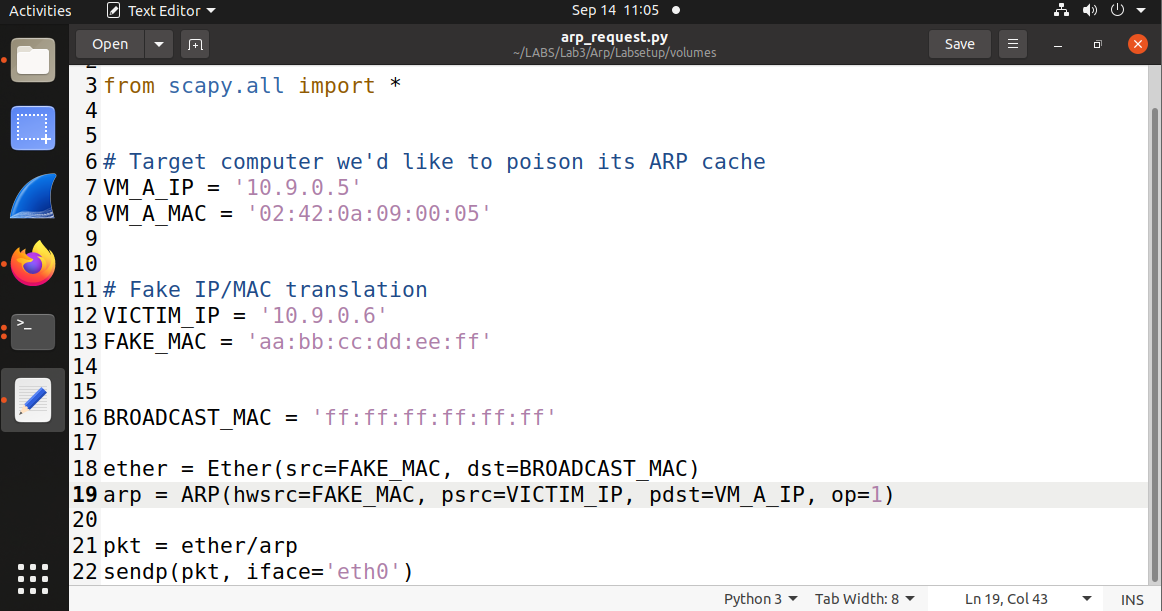
ARP Cache Poisoning Attack Lab

Name: SAI ROHIT JONNADA

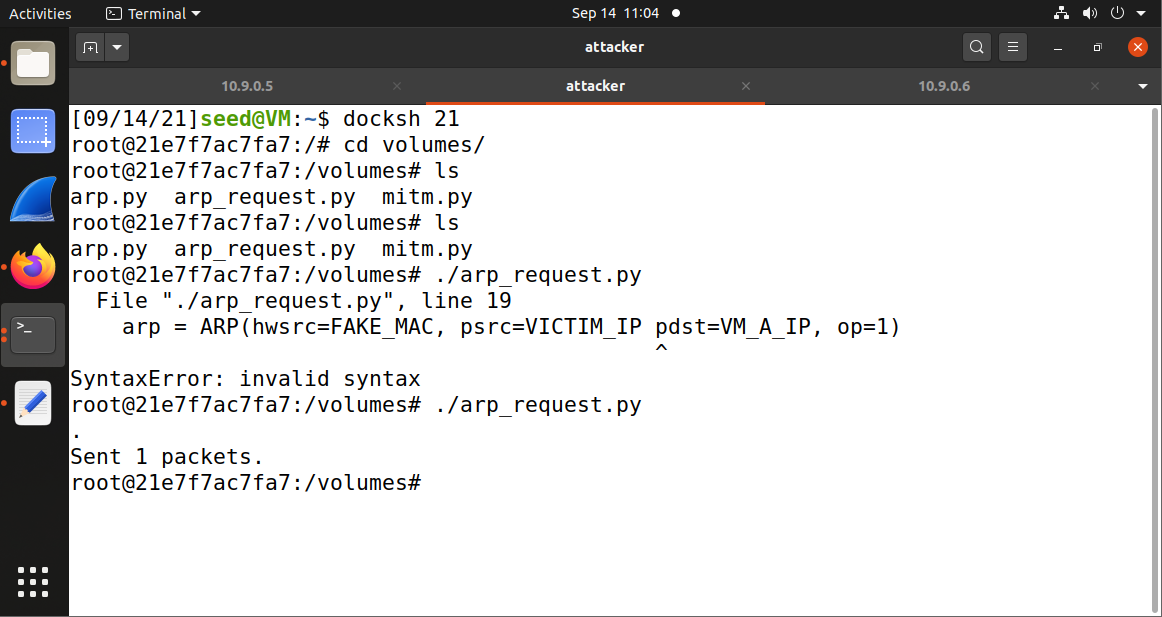
ID :700723743

**Turning on the docker** 

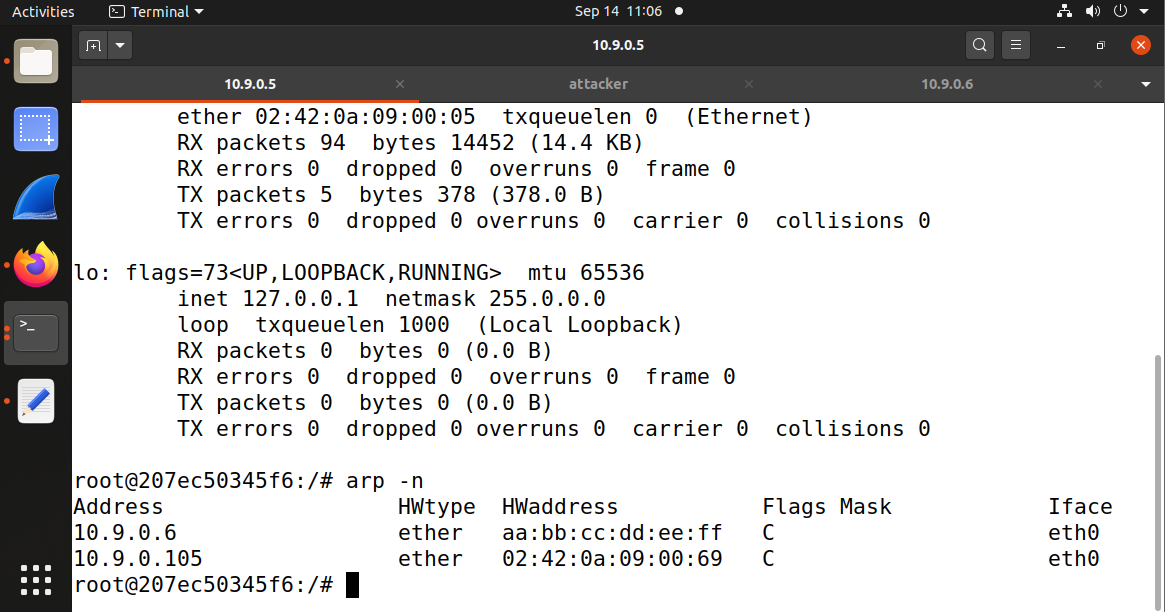
**Code For sending fake ip address from attacker to docker ip 10.9.0.5**



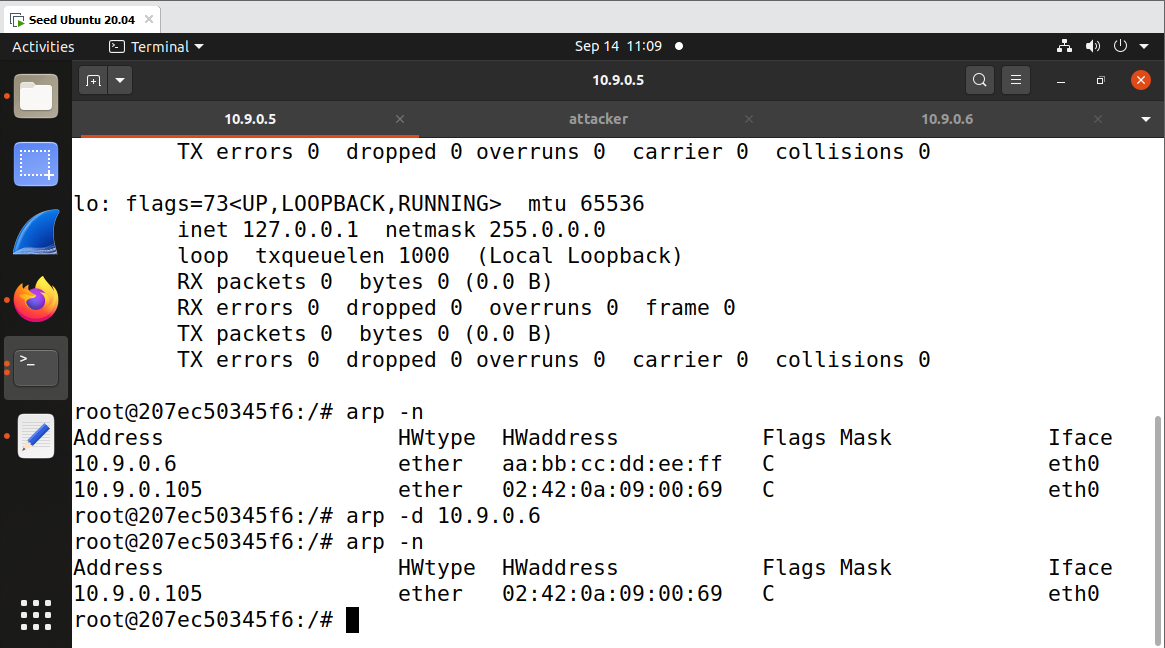
**Sending the arp request from attacker to docker ip 10.9.0.5**



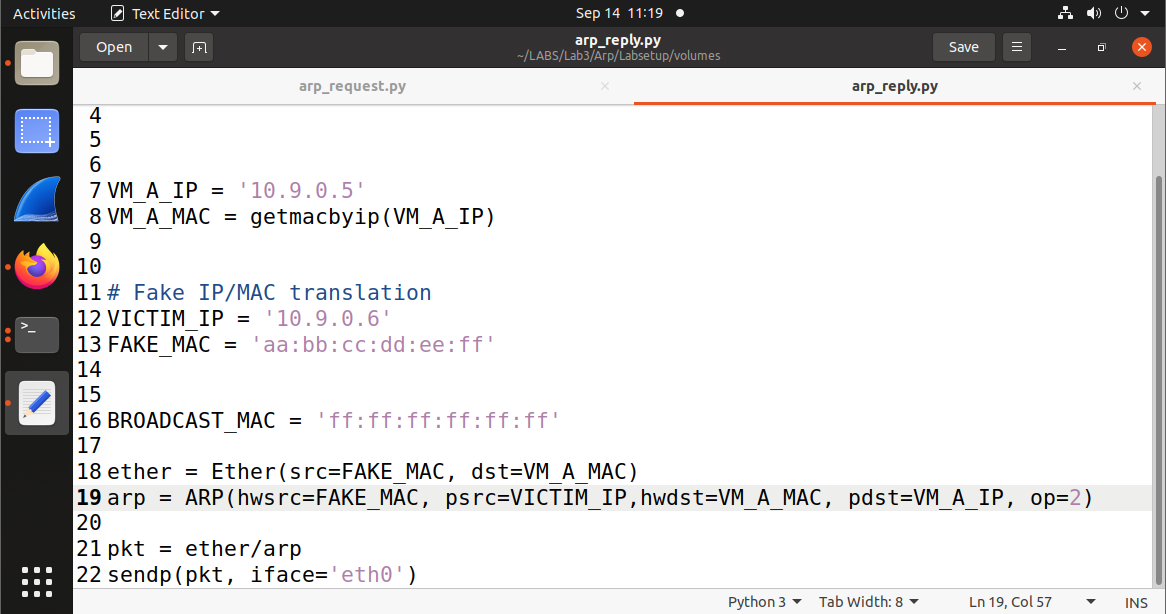
**Checking the arp in 10.9.0.5 and find the new ip address with fake mac address that we sent from attacker**



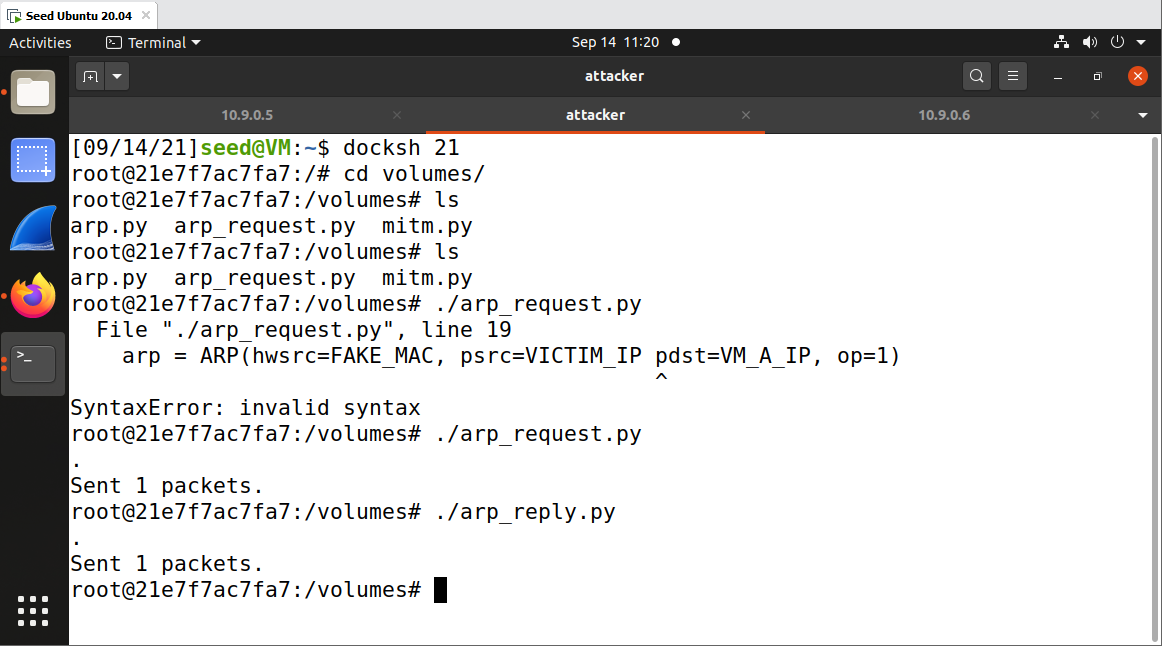
**Deleting the fake ip and mac address**



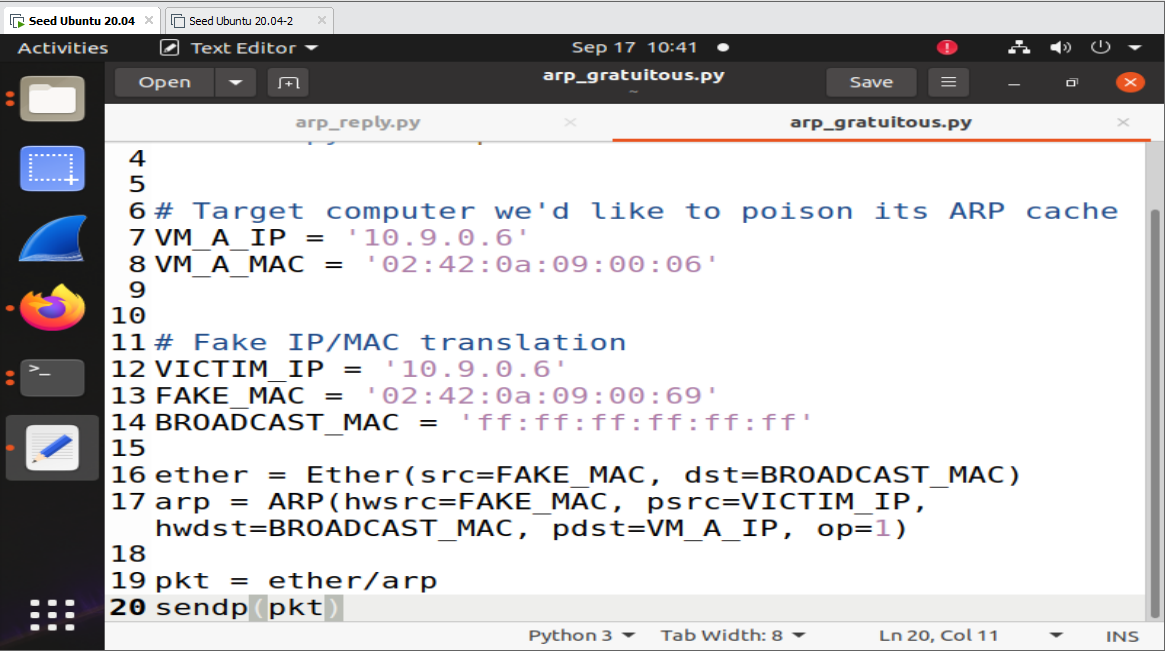
**Code for Arp Reply**



**Running Arp Reply code from attacker**

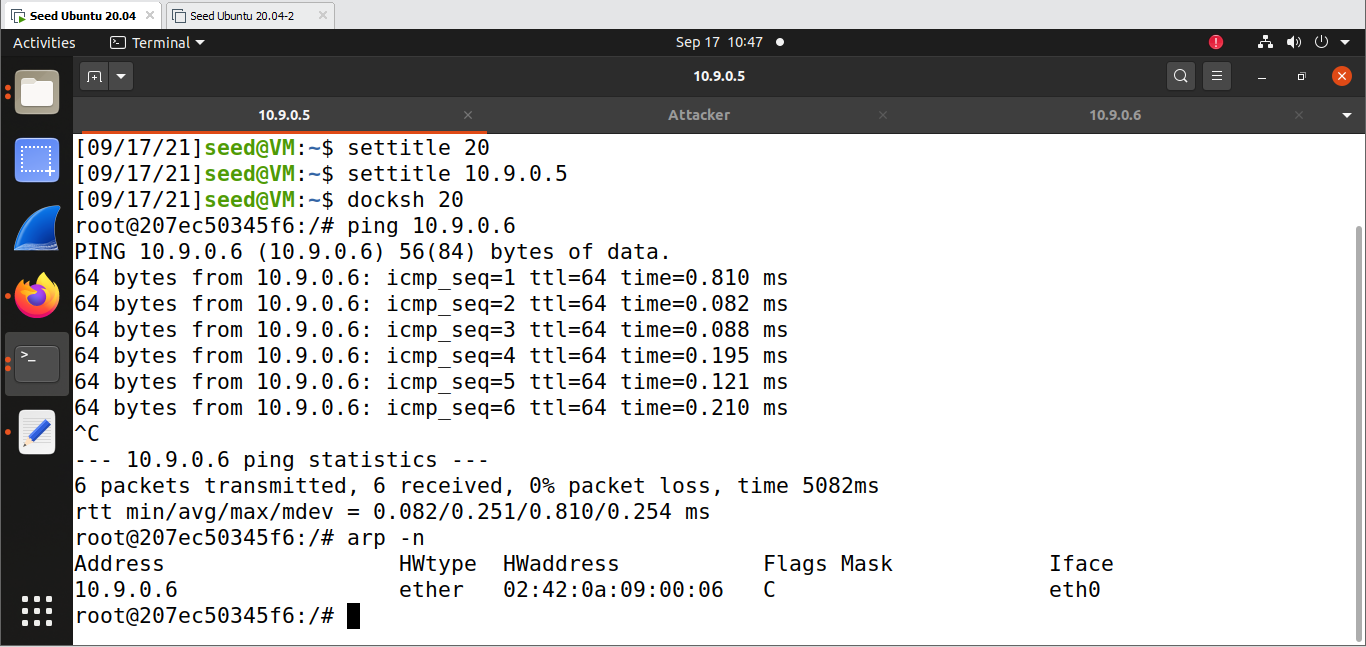


**Code For Gratutious**

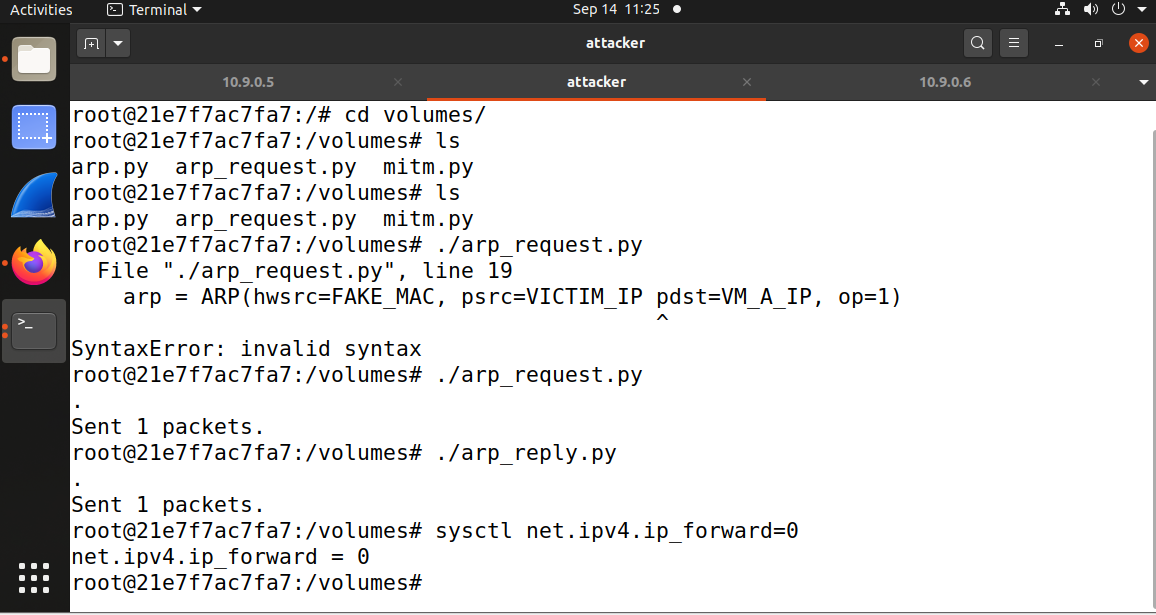


**Sending the gratuitous packet from attacker to 10.9.0.5**

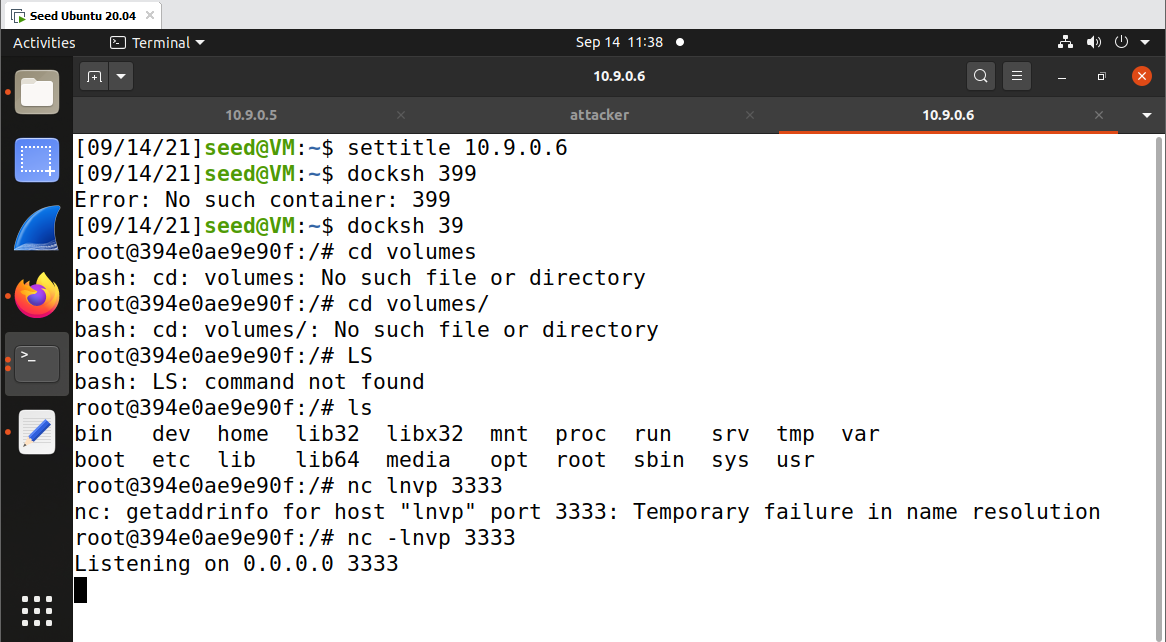
**Ping 10.9.0.6 from victim 10.9.0.5**

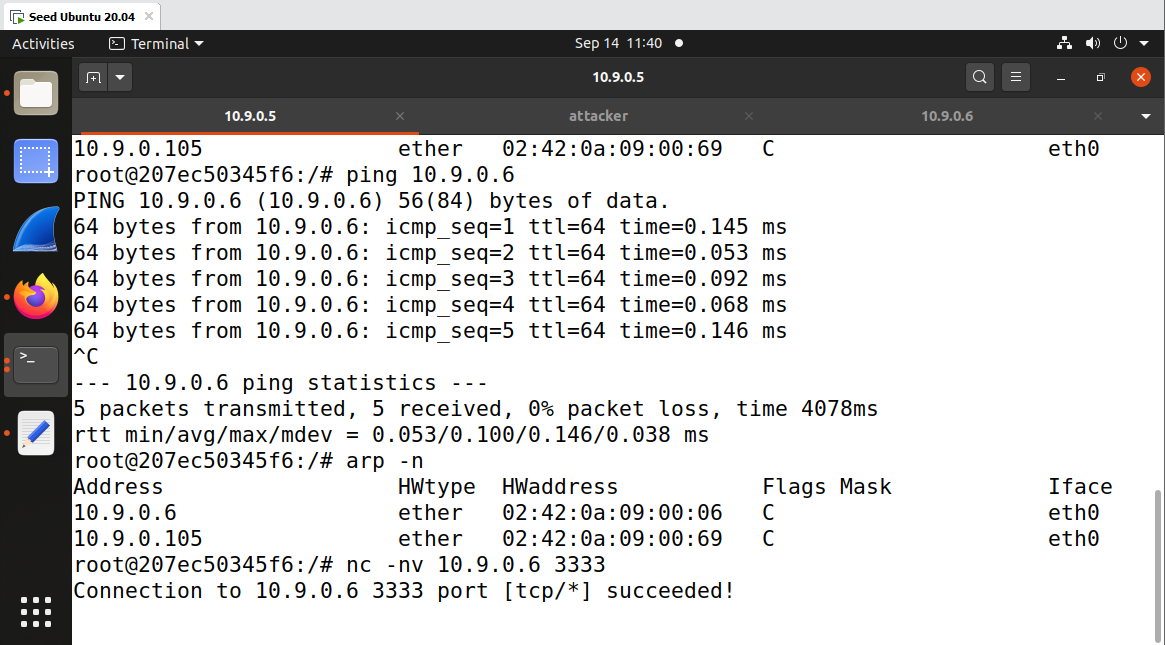


**Forwarding ipv4**

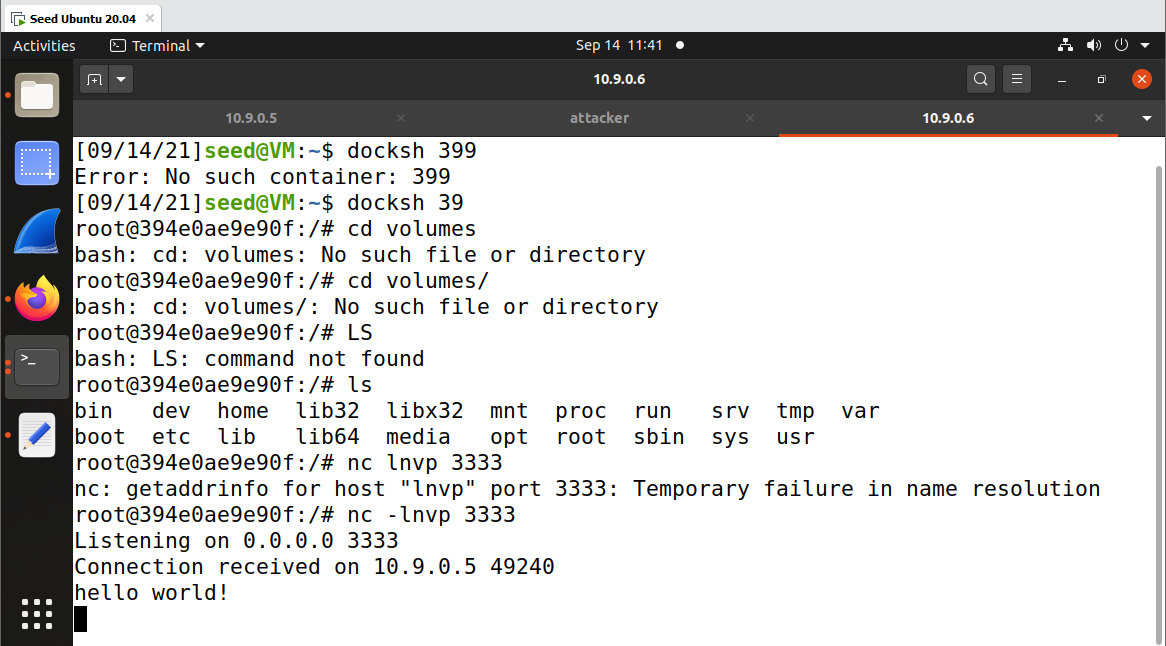


**Listening on port 3333 on docker ip 10.9.0.6**

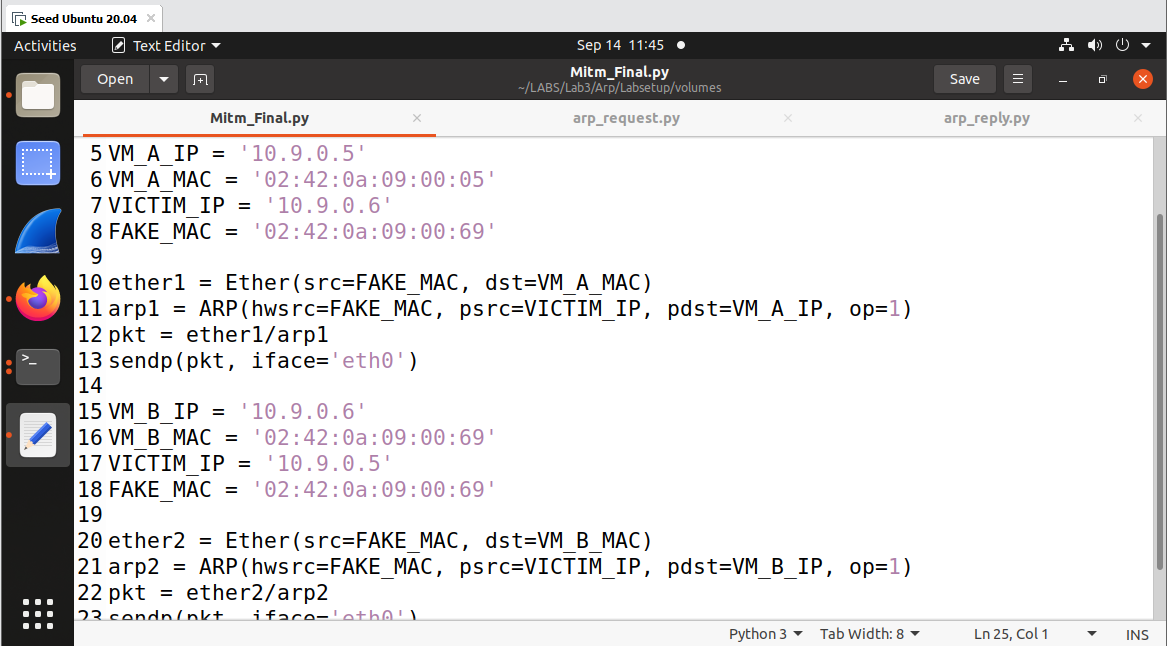


**Creating connection between 10.9.0.5 and 10.9.0.6** 

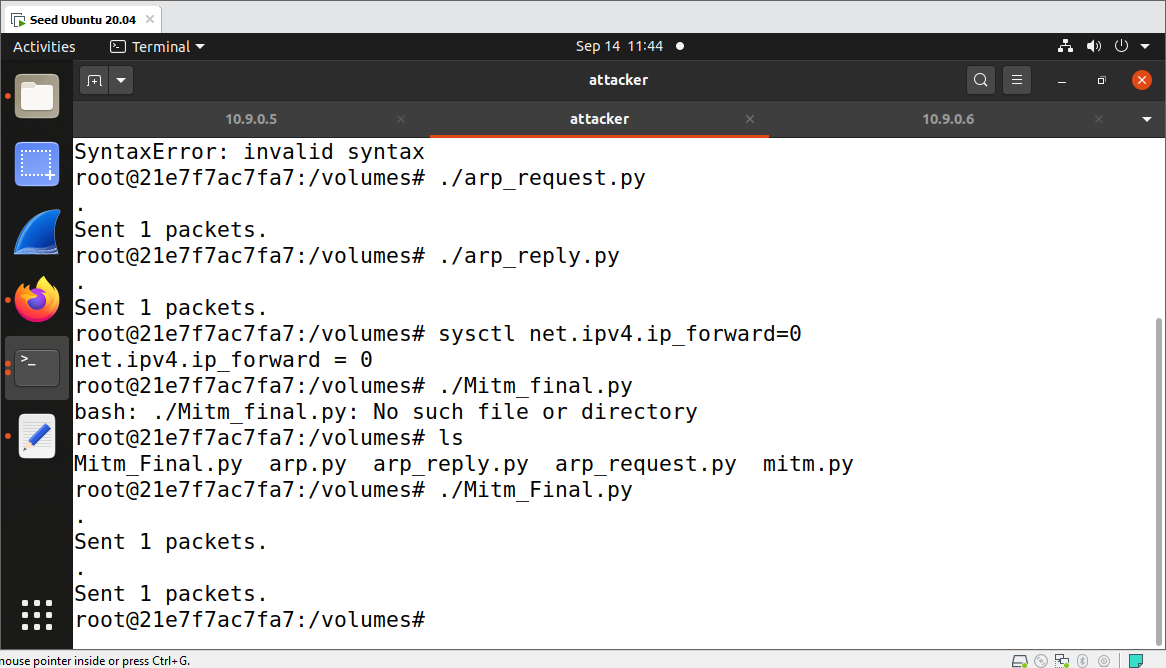
**Receiving the message sent from 10.9.0.5 to 10.9.0.6**



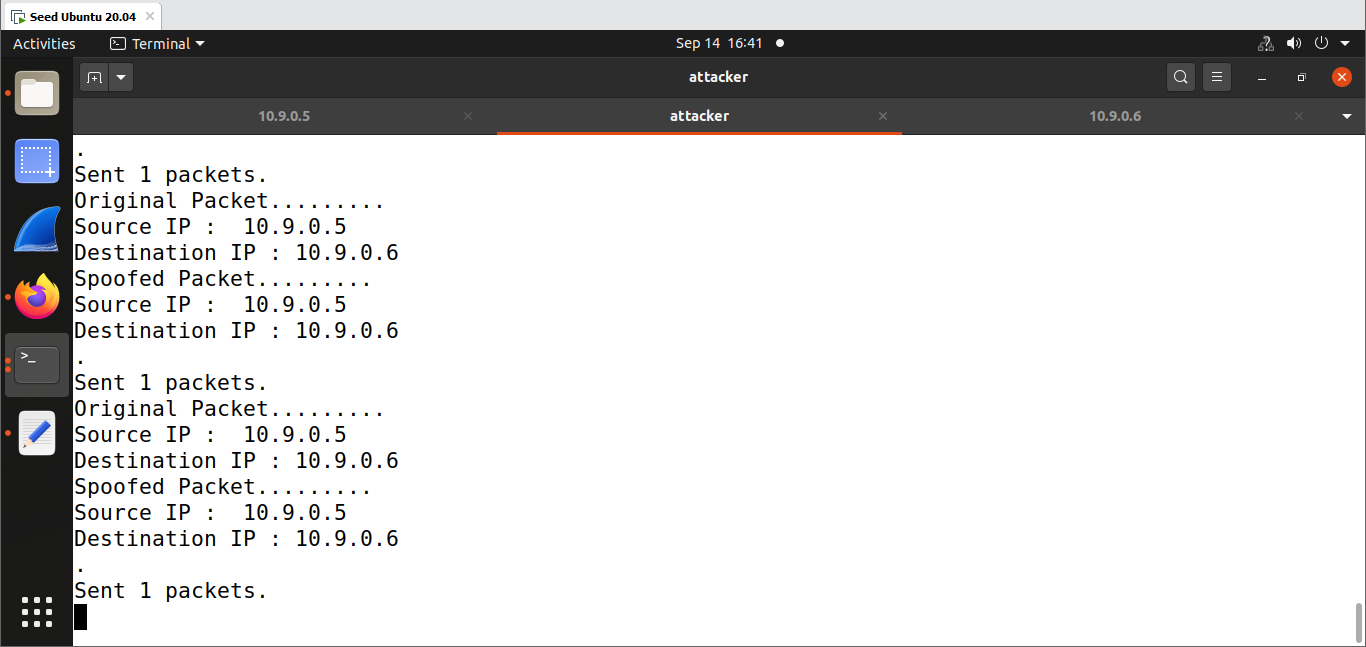
**Code For MITM**



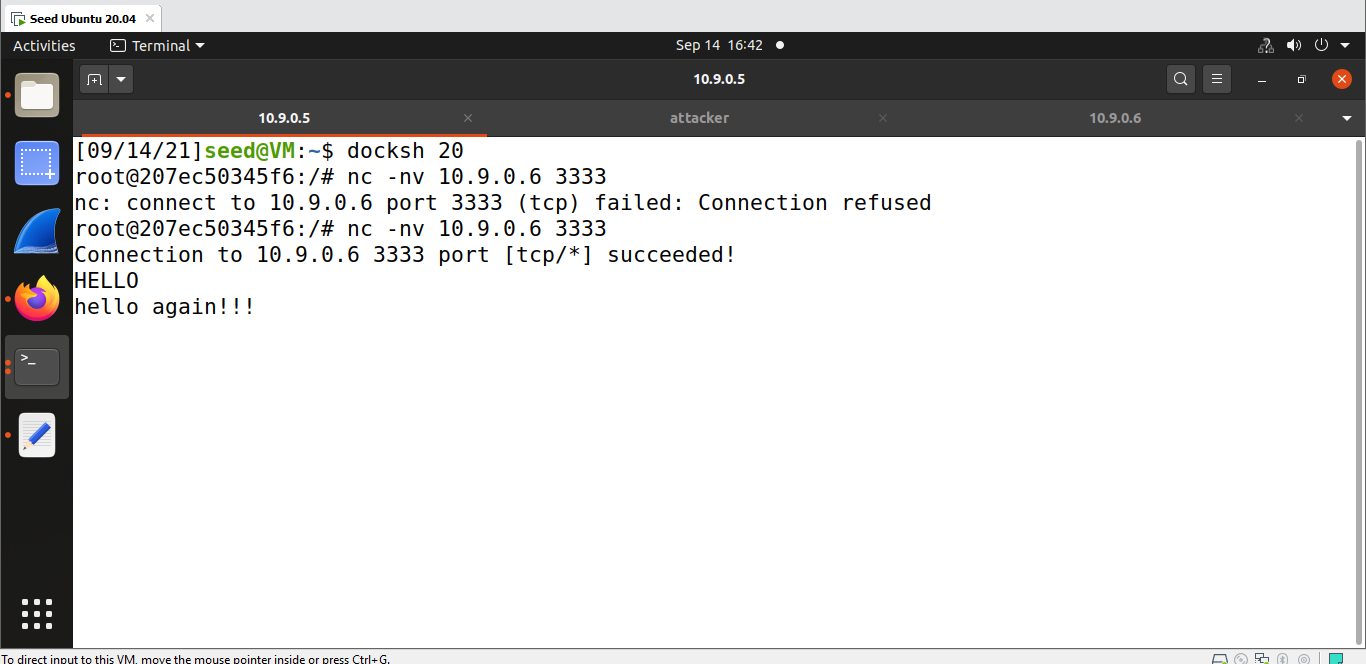
**Running the man in the middle code from attacker**

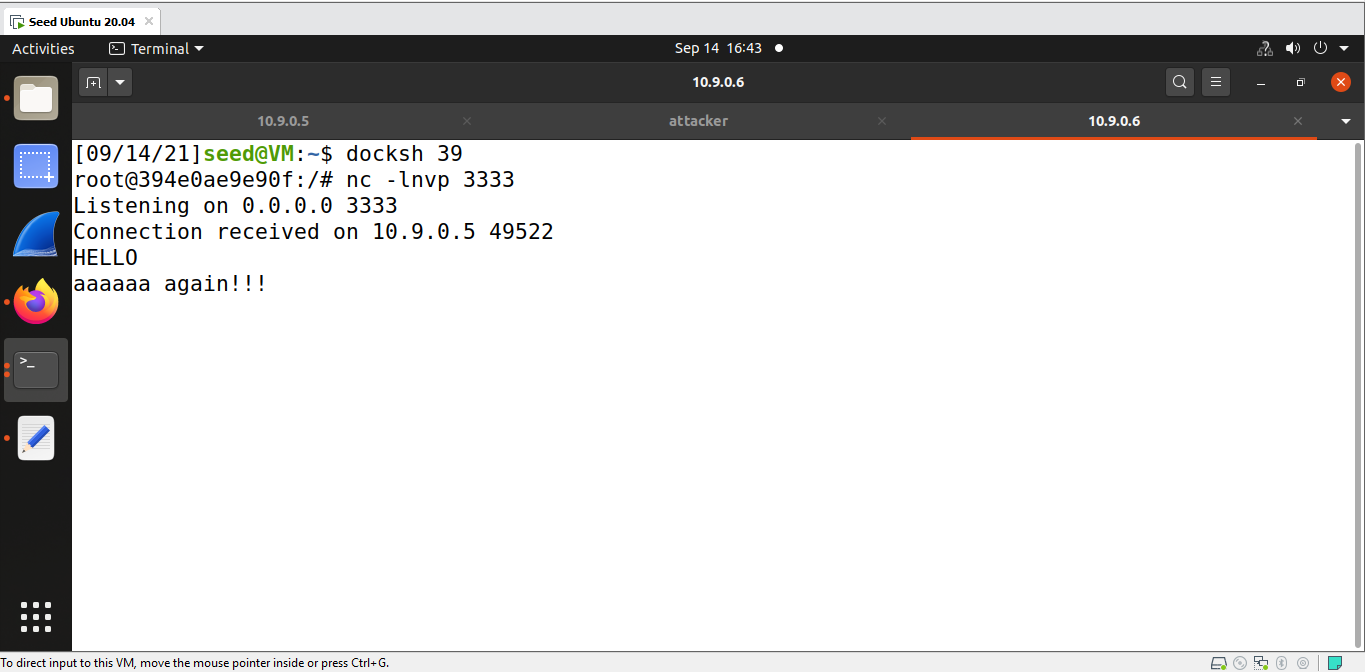


**Tracking the spoofed packets of 10.9.0.5 and 10.9.0.6**

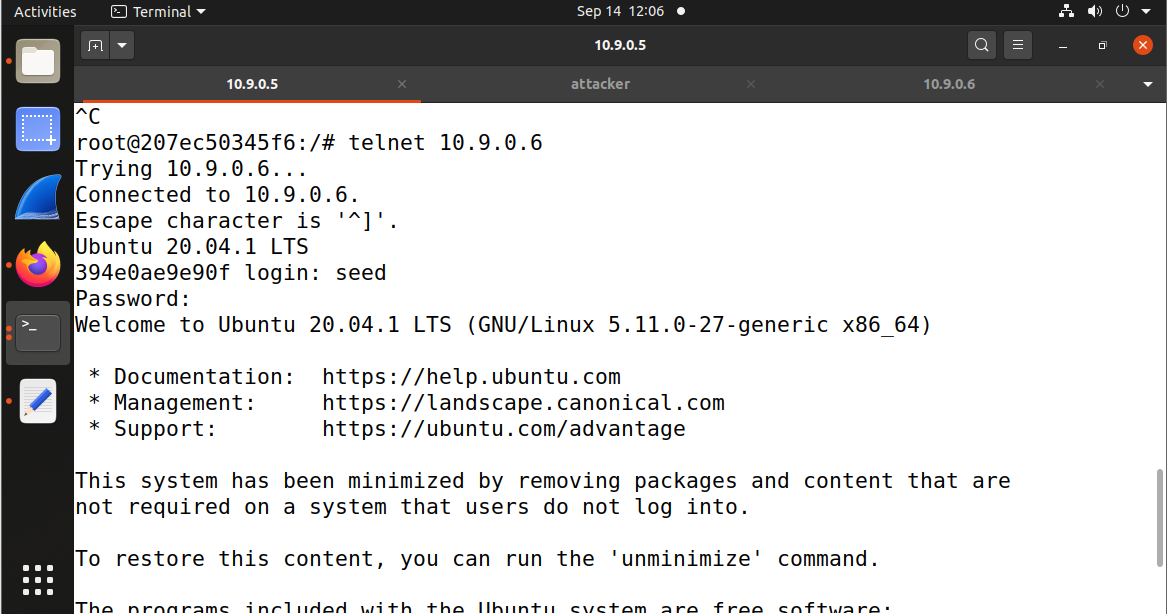


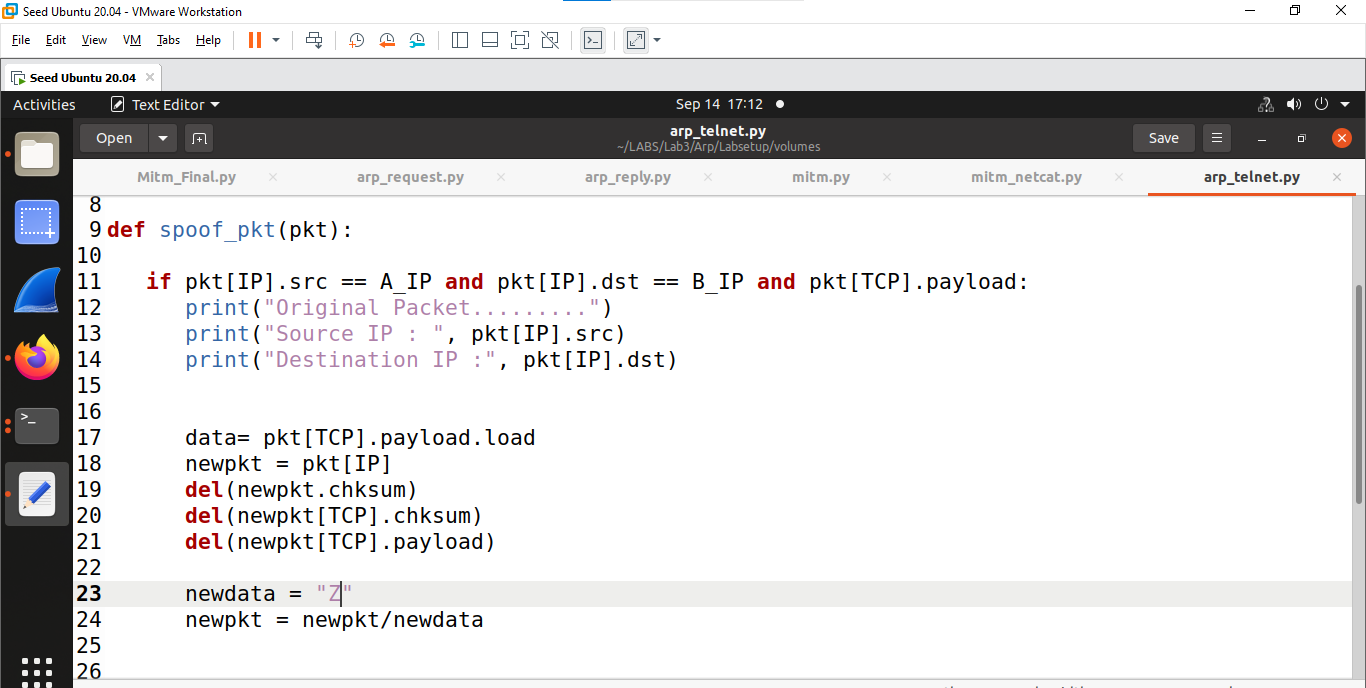
**Sending the messages from 10.9.0.5 to 10.9.0.6**



**Successfully spoofed hello from 10.9.0.5 to aaaa in 10.9.0.6** 

**Telnet 10.9.0.6 and logging into 10.9.0.6**



**Code for ARP\_TELNET**

**Checking the code on 10.9.0.5, it is successfully printing only Z even if we are typing other letters**

