



**Information Security and Assurance
Assignment - 2**

Submitted by:

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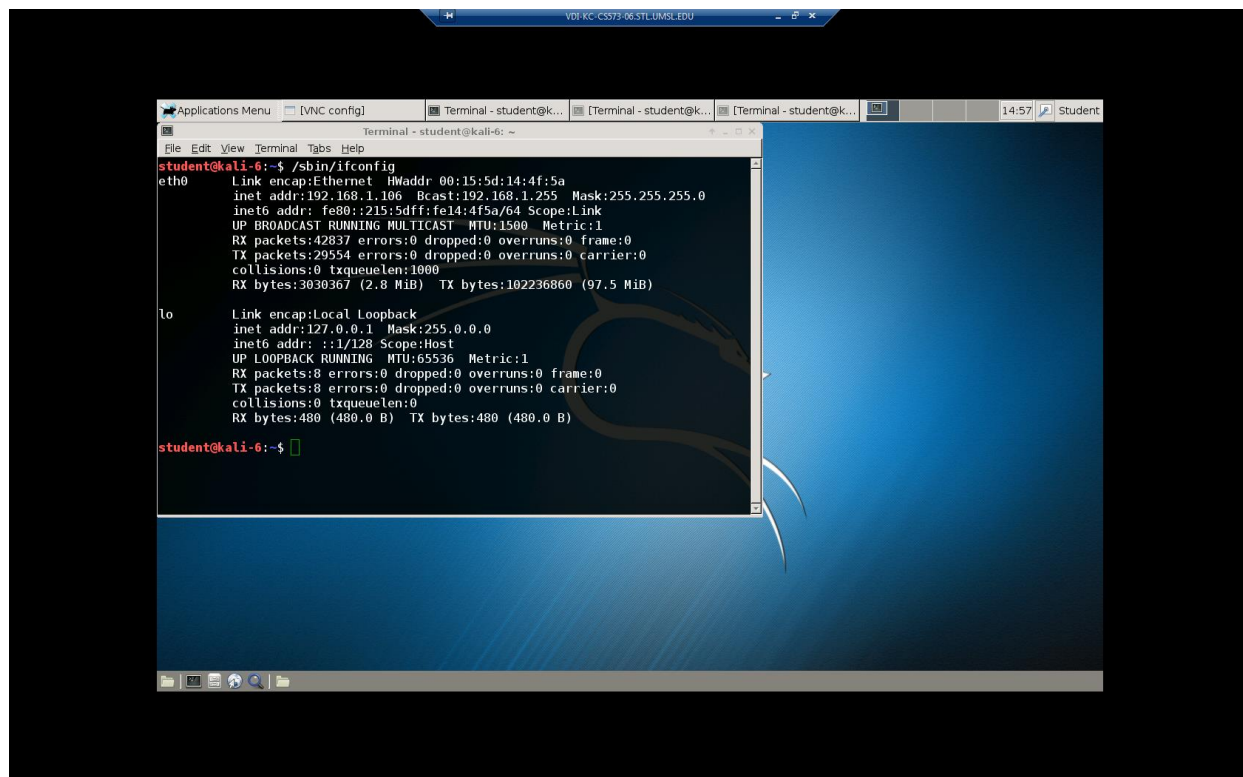
16233382

1. List the **live systems** that are reachable to your system (1 point)

Ans:

Command: `nmap -sP 192.168.1.0/24`

Output: In order to obtain the IP Address of the system `/sbin/ifconfig` is used. The subnet 192.168.1.0/24 is calculated from the IP Address and Mask.



```
student@kali-6:~$ /sbin/ifconfig
eth0      Link encap:Ethernet  HWaddr 00:15:5d:14:4f:5a
          inet addr:192.168.1.106  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fe80::215:5dff:fe14:4f5a/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:42837 errors:0 dropped:0 overruns:0 frame:0
          TX packets:29554 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:3030367 (2.8 MiB)  TX bytes:102236860 (97.5 MiB)

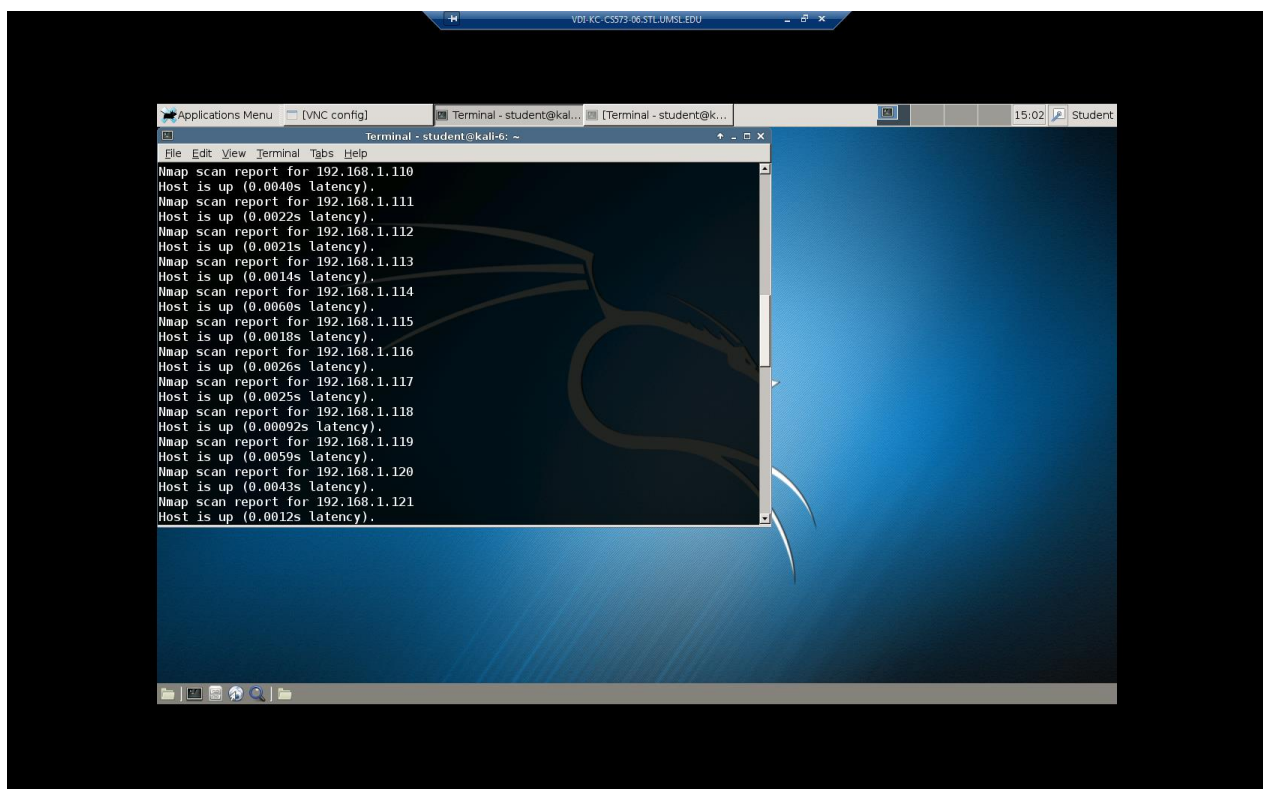
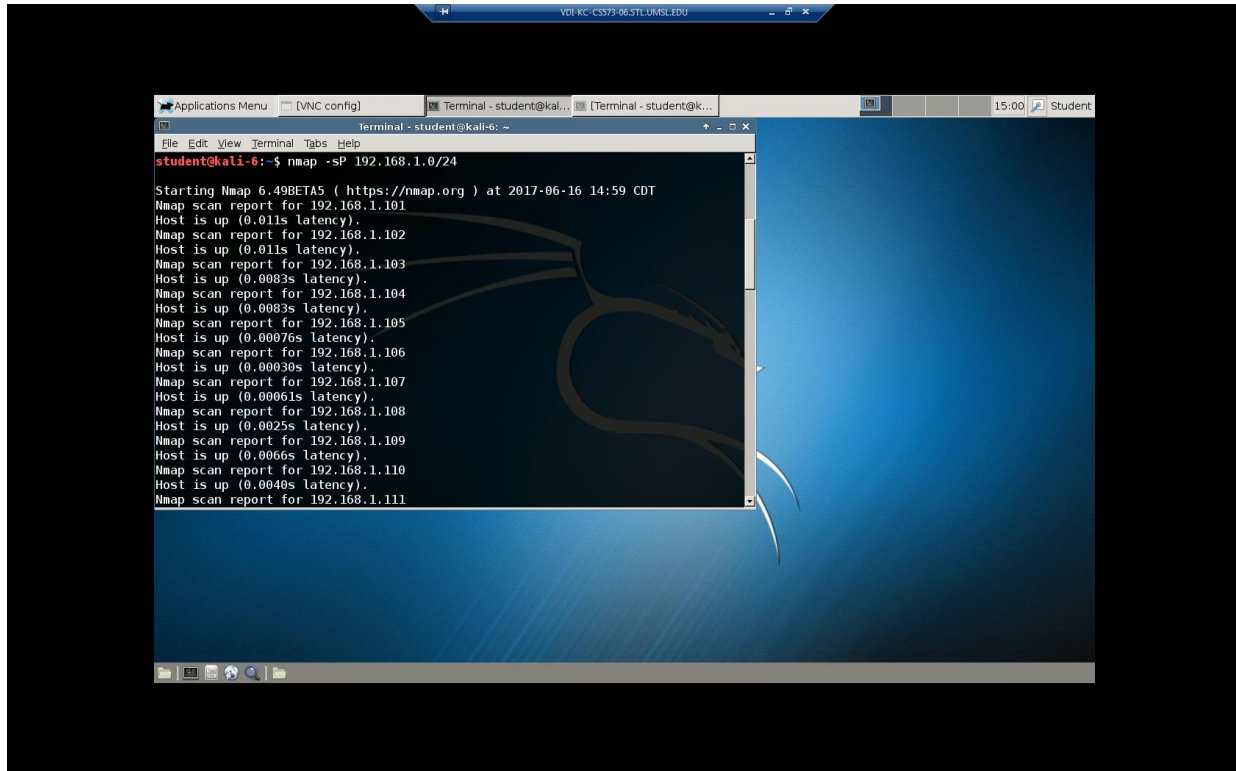
lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:8 errors:0 dropped:0 overruns:0 frame:0
          TX packets:8 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:480 (480.0 B)  TX bytes:480 (480.0 B)

student@kali-6:~$
```

Student Name: Anusha Malineni
Student ID: 16233382

Page 3 of 9

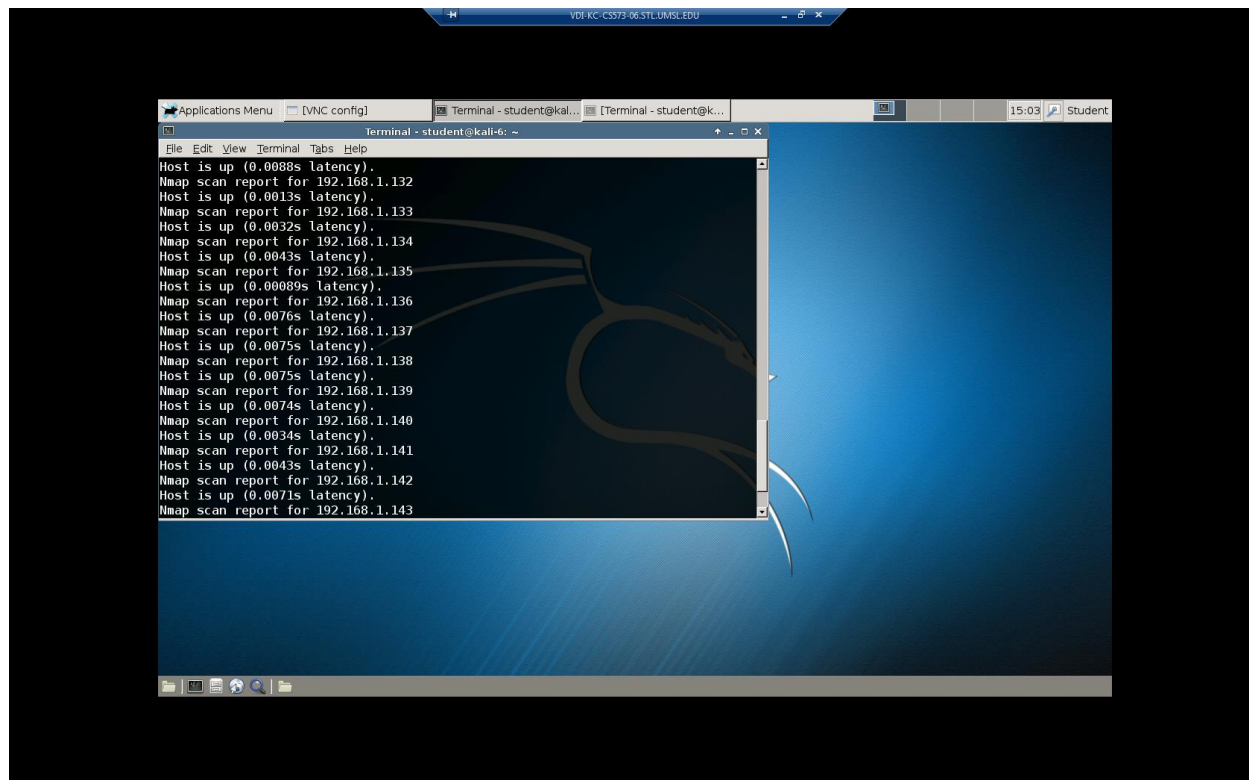
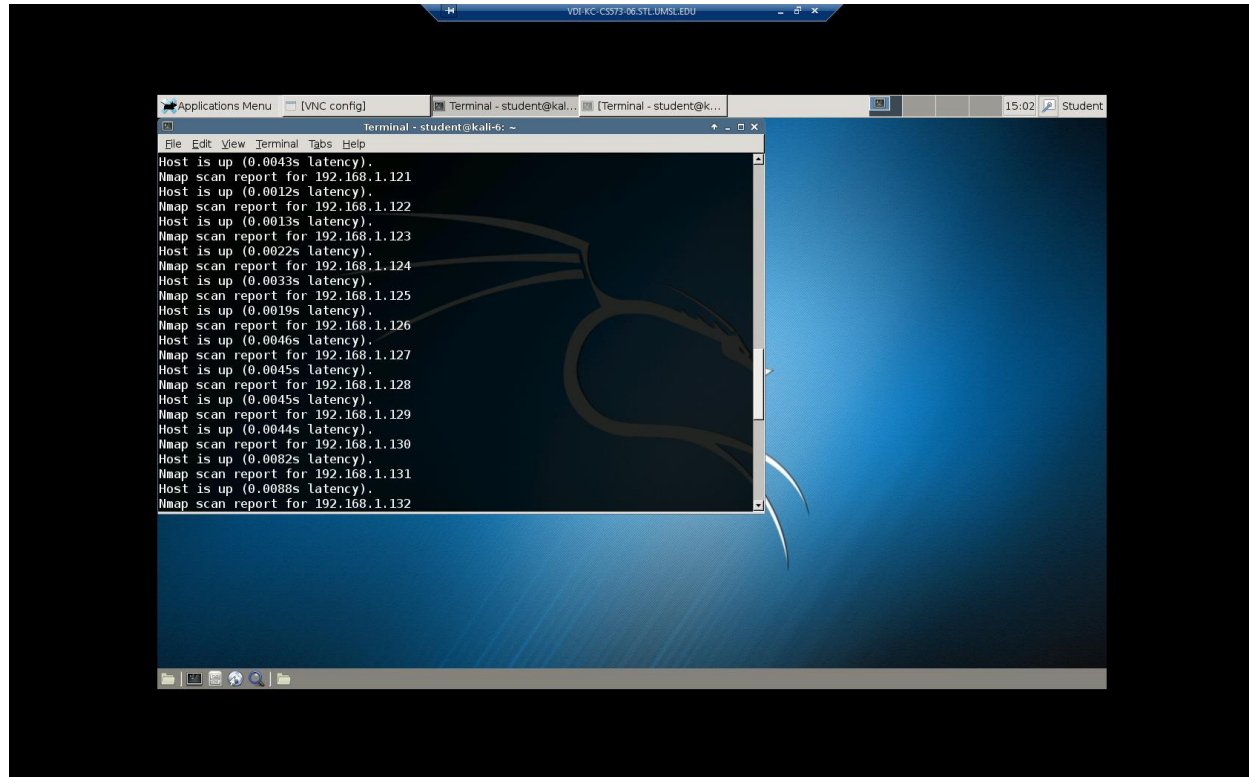
- Then using the command `nmap -sP 192.168.1.0/24` is used in finding live systems that are reachable to the system.



CS5573 – Information Security and Assurance – Assignment #2

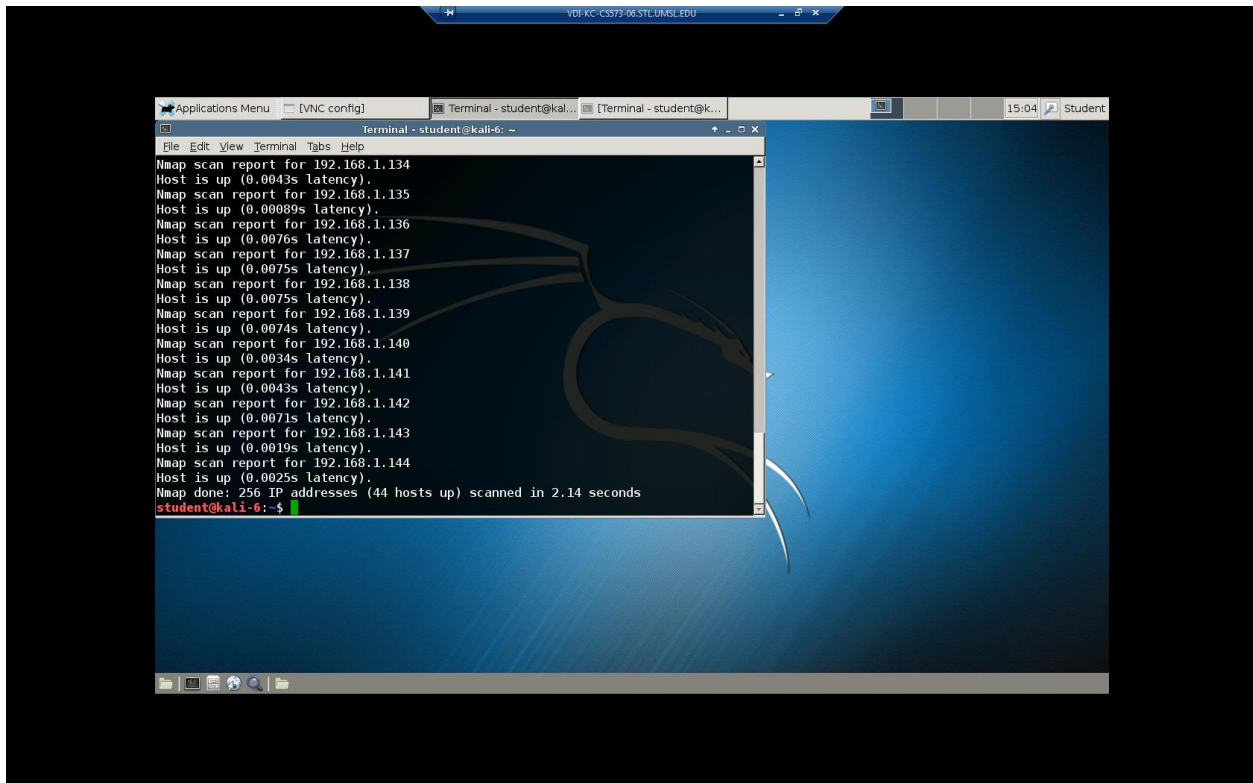
Student Name: Anusha Malineni
Student ID: 16233382

Page 4 of 9



Student Name: Anusha Malineni
Student ID: 16233382

Page 5 of 9

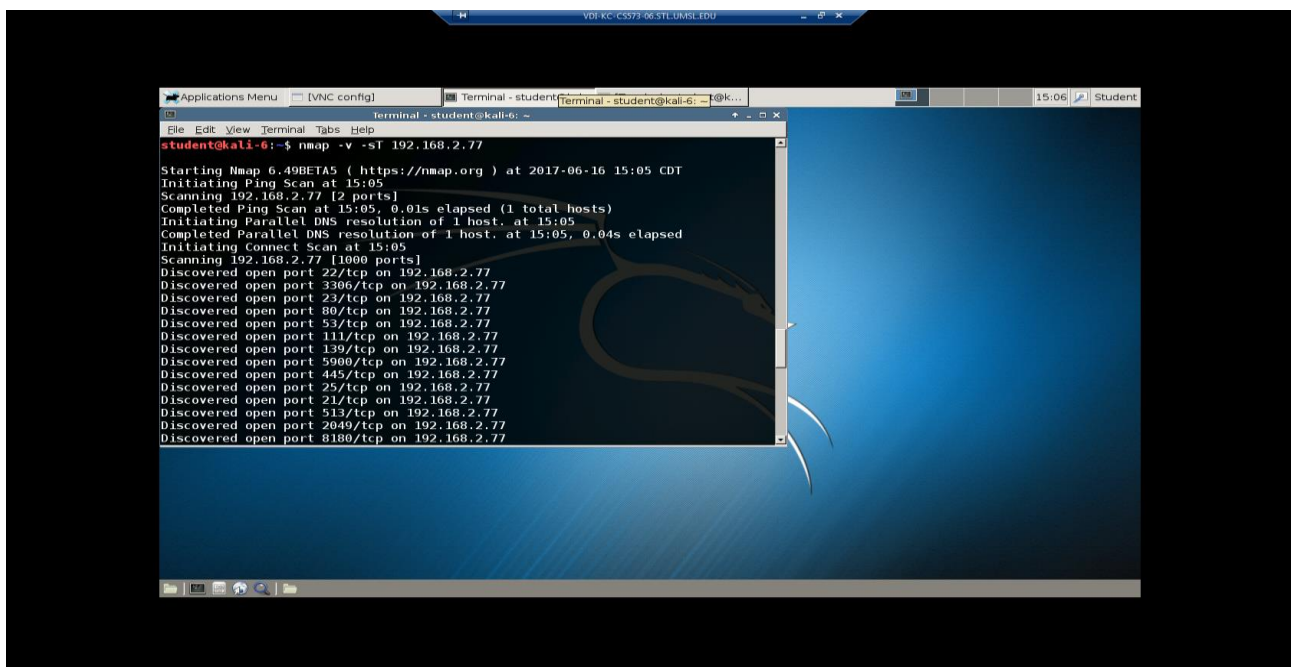


2. List all the **open ports** available on the system **192.168.2.77** (1 point)

Ans:

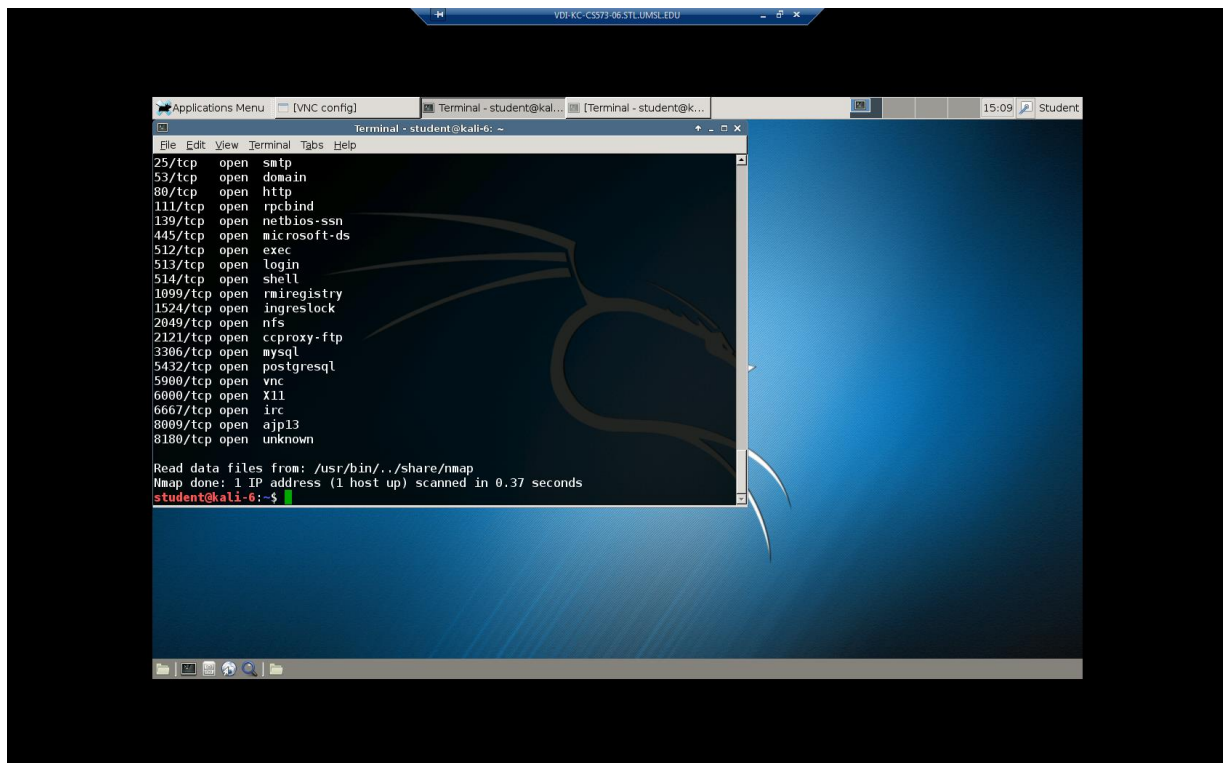
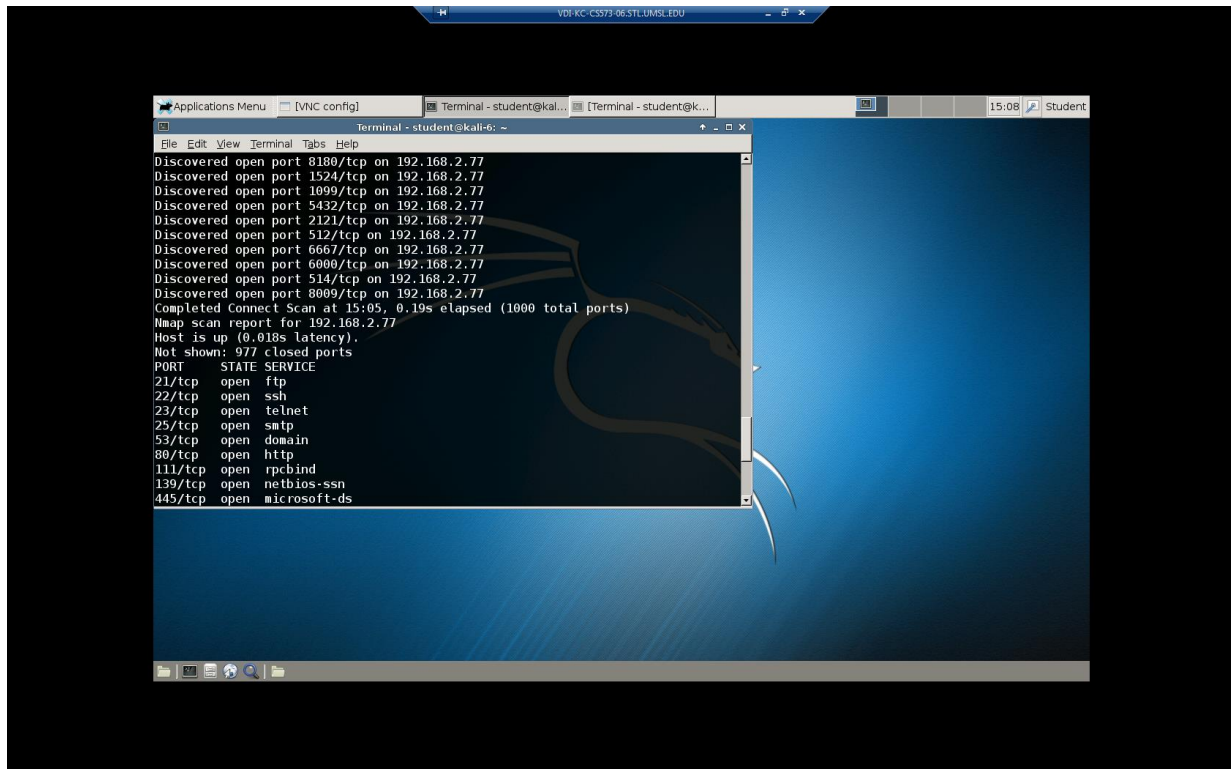
Command: `nmap -v -sT 192.168.2.77`

Output:



Student Name: Anusha Malineni
Student ID: 16233382

Page 6 of 9



Student Name: Anusha Malineni
Student ID: 16233382

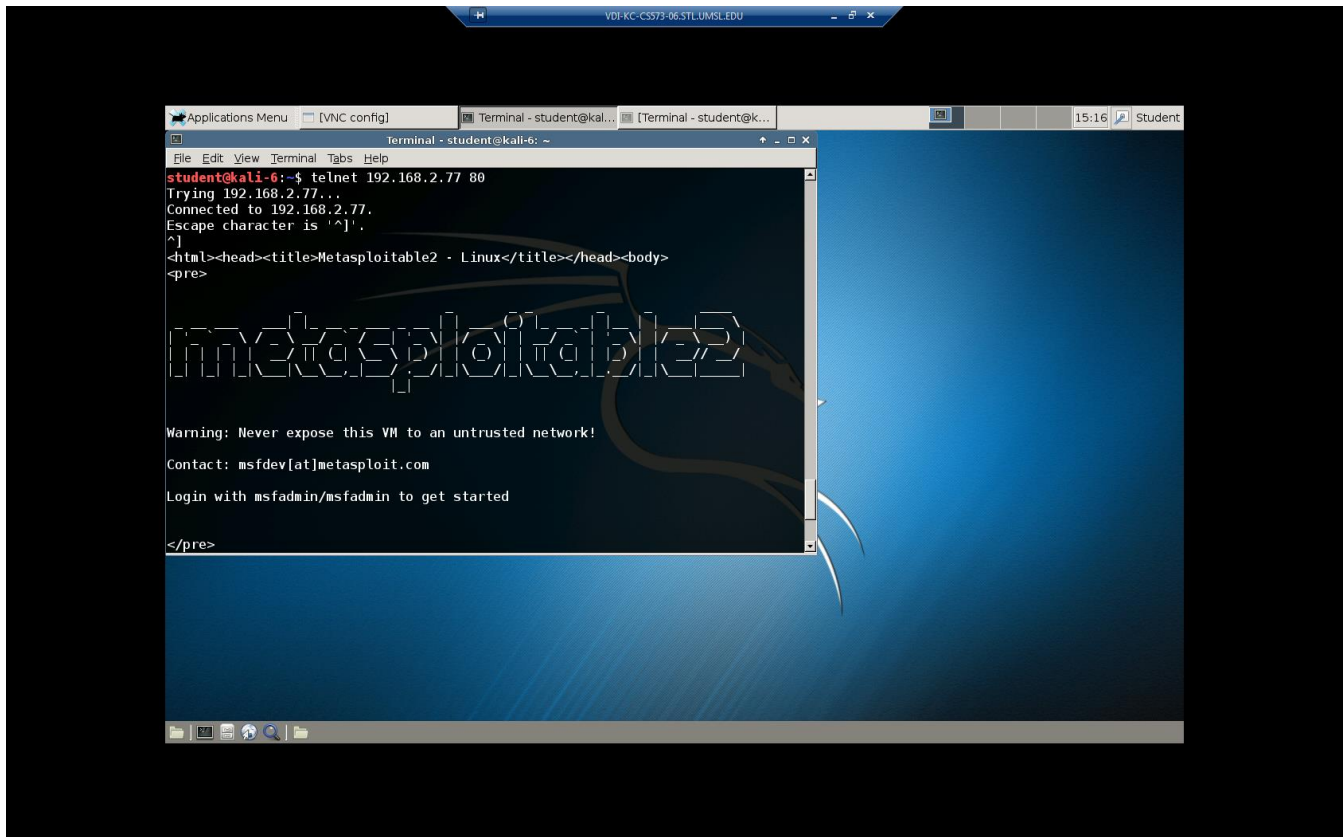
Page 7 of 9

3. What is the **Operating System name** on the system **192.168.2.77**? (Use banner grabbing method – telnet with port 80) (1 point)

Ans:

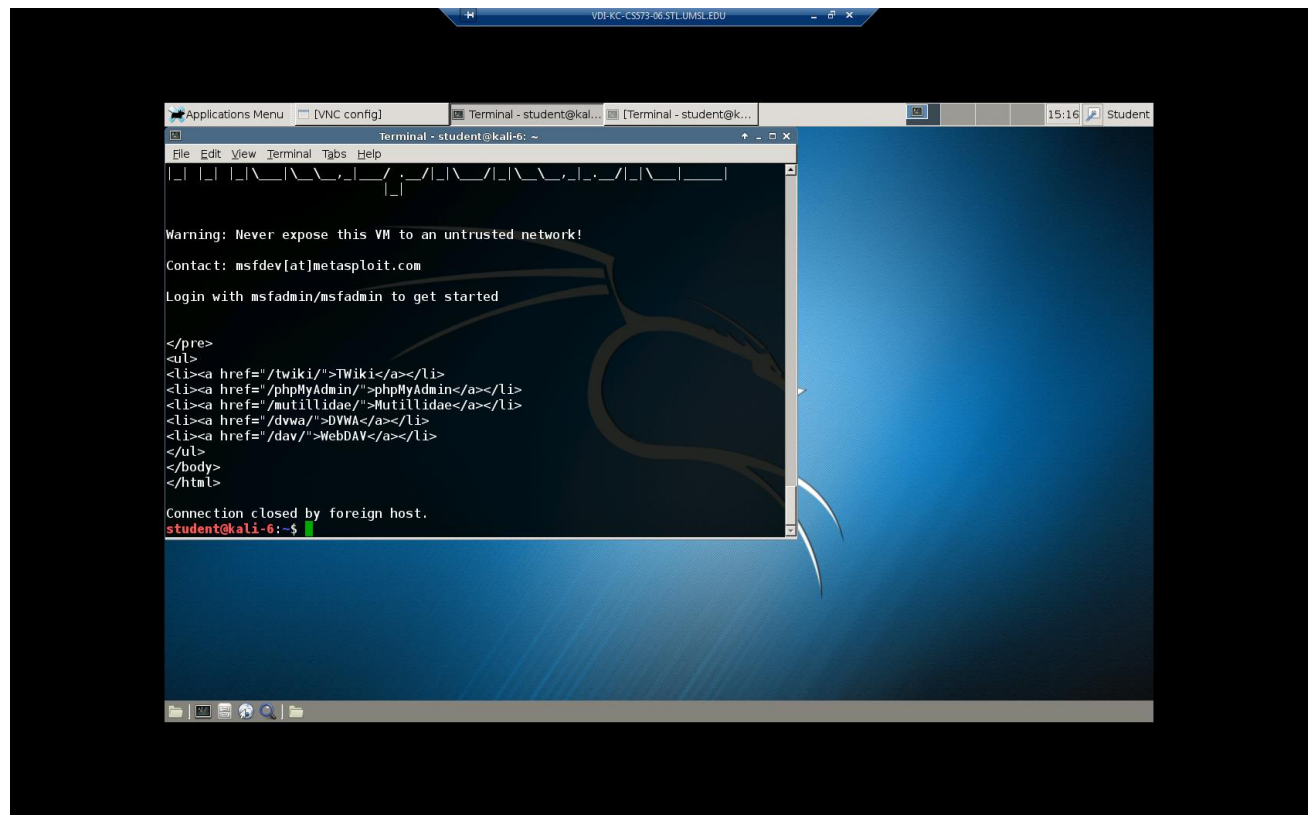
Command: telnet 192.168.2.77 80

Output: metasploitable2 is the name of the operating system.



Student Name: Anusha Malineni
Student ID: 16233382

Page 8 of 9



Student Name: Anusha Malineni
Student ID: 16233382

Page 9 of 9

4. What is the **FTP server version** on the system **192.168.2.77**?
(Use banner grabbing method – telnet with port 21) (1 point)

Ans:

Command: telnet 192.168.2.77 21

Output:

Service Name: vsFTPD

Version: 2.3.4

