Secure Coding Lab - 13

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Experiment and Analysis

- Deploy Windows Exploit Suggester Next Generation (WES-NG)
- Obtain the system information and check for any reported vulnerabilities.
- If any vulnerabilities reported, apply patch and make your system safe.
- Submit the auto-generated report using pwndoc.

1) Clone the Windows Exploit Suggester repo and run the wes.py

```
AS C:Users'allak'Desktop\wesnap python \wes.py

MARNING:root:chardet module not installed. In case of encoding errors, install chardet using: pip3 install chardet
usage: wes.py [-u] [--update-wes] [--version] [--definitions [DEFINITIONS]] [-p INSTALLEDPATCH [INSTALLEDPATCH ...]]

[-d] [-e] [-h-inde intoDenvun, [intoDenvun, intoDenvun, intoTenvun, intoT
```

2) Output your system info with this command

"systeminfo> systeminfo.txt"

```
systeminfo - Notepad
File Edit Format View Help
```

Host Name: LAPTOP-M096SVVG OS Name: Microsoft Windows 10 Home Single Language OS Version: 10.0.19042 N/A Build 19042 OS Manufacturer: Microsoft Corporation OS Configuration: Standalone Workstation OS Build Type: Multiprocessor Free Registered Owner: allakarahul@gmail.com Registered Organization: Product ID: 00327-35832-28119-AA0EM Original Install Date: 05-02-2021, 17:42:02 System Boot Time: 11-06-2021, 14:22:23 System Manufacturer: OMEN by HP Laptop 15-dc0xxx System Model: System Type: x64-based PC 1 Processor(s) Installed. Processor(s): [01]: Intel64 Family 6 Model 158 Stepping 10 GenuineIntel ~2208 Mhz BIOS Version: AMI F.12, 23-03-2020 Windows Directory: C:\WINDOWS System Directory: C:\WINDOWS\system32 Boot Device: \Device\HarddiskVolume3 System Locale: en-us; English (United States) Input Locale: 00004009 Time Zone: (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi Total Physical Memory: 16,263 MB Available Physical Memory: 6,988 MB Virtual Memory: Max Size: 19,719 MB Virtual Memory: Available: 5,350 MB Virtual Memory: In Use: 14,369 MB Page File Location(s): C:\pagefile.sys Domain: WORKGROUP Logon Server: \\LAPTOP-M096SVVG Hotfix(s): 10 Hotfix(s) Installed. [01]: KB4601554 [02]: KB5003254 [03]: KB4562830 [04]: KB4577586

3) Now look for vulnerabilities using your last txt file output

[&]quot;wes.py systeminfo.txt --output vul.csv"

4) All vulnerabilities in your system are shown in vul.csv

