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Lab-4:Secure Coding

Intermediate:

1)SCHTASKS /CREATE /SC MONTHLY /MO FIRST /D MON /TN

"18BCE7300_WEEKENDS\notepad task" /TR

"C:\Users\anumo\PycharmProjects\helloworld\helloworld.exe" /ST 21:07

Command:

2)Where /R c:\ calc

output:

c:\Windows\System32\calc.exe

c:\Windows\SysWOW64\calc.exe

c:\Windows\WinSxS\amd64_microsoft-windows-calc_31bf3856ad364e35_10.0.18362.1_none_7c1b713697f466dd\calc.exe

c:\Windows\WinSxS\wow64_microsoft-windows-calc_31bf3856ad364e35_10.0.18362.1_none_86701b88cc5528d8\calc.exe

3)SCHTASKS /CREATE /SC MINUTE /MO 5 /TN "Executor" /TR

"c:\Windows\WinSxS\wow64_microsoft-windows-calc_31bf3856ad364e35_10.0.19041.1_none_6a03b910ee7a4073\calc.exe" /ST 21:27

4)SCHTASKS /Create /SC DAILY /TN "Executor2" /TR "C:\Windows\System32\notepad.exe" /ST 17:00 /ET 17:40 /K

Advanced:

SCHTASKS /Create /SC DAILY /TN "Internet_Logger" /TR "netstat -n5 > scan.txt" /ST 09:37 /ET 09:58 /K

SCHTASKS /Create /SC DAILY /TN "Defragmentation" /TR "defrag /E 10> scan.txt" /ST 10:00

To lock your PC(Win+L):

```
import ctypes
```

```
ctypes.windll.user32.LockWorkStation()
```

To clear your recycle bin:

```
import os
import subprocess
import winshell
from random import randint
from time import sleep

def main():
    file_size = os.path.getsize('C:')
    print("{} kb of data will be removed".format(file_size))
    del_dir = r'c:\windows\temp'
    # Could this just be os.rmdir(del_dir)???
    process = subprocess.Popen('rmdir /S /Q {}'.format(del_dir), shell=True,
                                stdout=subprocess.PIPE, stderr=subprocess.PIPE) _ = process.communicate()
    return_code = process.returncode
    if return_code == 0:
        print('Success: Cleaned Windows Temp Folder')
    else:
        print('Fail: Unable to Clean Windows Temp Folder')
    winshell.recycle_bin().empty(confirm=False, show_progress=False, sound=False)
    # Is this important?
    # sleep(randint(4, 6))
    input("Press any key to continue")
    if __name__ == '__main__':
        main()
```

Rundll32.exe user32.dll,LockWorkStation

powercfg /SETACVALUEINDEX SCHEME_CURRENT SUB_VIDEO VIDEOCONLOCK 300

powercfg /SETACVALUEINDEX SCHEME_CURRENT SUB_VIDEO VIDEOCONLOCK 1500

rd /s /q %systemdrive%\\$Recycle.bin

for /d %x in (%systemdrive%\\$Recycle.bin*) do @rd /s /q "%x"

```
C:\Windows\system32>SCHTASKS /CREATE /SC MONTHLY /MO FIRST /D MON /TN "18BCE7300_WEEKENDS\Notepad task" /TR "C:\Users\an
umo\PycharmProjects\helloworld\helloworld.exe" /ST 21:07
WARNING: The task name "18BCE7300_WEEKENDS\Notepad task" already exists. Do you want to replace it (Y/N)? y
SUCCESS: The scheduled task "18BCE7300_WEEKENDS\Notepad task" has successfully been created.
```

```
C:\Windows\System32>Where /R c:\ calc
c:\Windows\System32\calc.exe
c:\Windows\SysWOW64\calc.exe
c:\Windows\WinSxS\amd64_microsoft-windows-calc_31bf3856ad364e35_10.0.18362.1_none_7c1b713697f466dd\calc.exe
c:\Windows\WinSxS\wow64_microsoft-windows-calc_31bf3856ad364e35_10.0.18362.1_none_86701b88cc5528d8\calc.exe

C:\Windows\System32>
```

```
C:\Windows\system32>SCHTASKS /CREATE /SC MINUTE /MO 5 /TN "Executor" /TR "c:\Windows\WinSxS\wow64_microsoft-windows-calc_31bf3856ad364e35_10.0.19041.1_none_6a03b910ee7a4073\calc.exe" /ST 21:27
WARNING: The task name "Executor" already exists. Do you want to replace it (Y/N)? y
SUCCESS: The scheduled task "Executor" has successfully been created.

C:\Windows\system32>SCHTASKS /Create /SC DAILY /TN "Executor2" /TR "C:\Windows\System32\notepad.exe" /ST 17:00 /ET 17:40 /K
WARNING: The task name "Executor2" already exists. Do you want to replace it (Y/N)? y
SUCCESS: The scheduled task "Executor2" has successfully been created.

C:\Windows\system32>SCHTASKS /Create /SC DAILY /TN "Internet_Logger" /TR "netstat -n5 > scan.txt" /ST 09:37 /ET 09:58 /K
WARNING: The task name "Internet_Logger" already exists. Do you want to replace it (Y/N)? y
SUCCESS: The scheduled task "Internet_Logger" has successfully been created.

C:\Windows\system32>SCHTASKS /Create /SC DAILY /TN "Defragmentation" /TR "defrag /E 10> scan.txt" /ST 10:00
WARNING: The task name "Defragmentation" already exists. Do you want to replace it (Y/N)? y
SUCCESS: The scheduled task "Defragmentation" has successfully been created.

C:\Windows\system32>Rundll32.exe user32.dll,LockWorkStation

C:\Windows\system32>powercfg /SETACVALUEINDEX SCHEME_CURRENT SUB_VIDEO VIDEOCONLOCK 300

C:\Windows\system32>powercfg /SETACVALUEINDEX SCHEME_CURRENT SUB_VIDEO VIDEOCONLOCK 1500

C:\Windows\system32>rd /s /q %systemdrive%\$Recycle.bin

C:\Windows\system32>for /d %x in (%systemdrive%\$Recycle.bin\*) do @rd /s /q "%x"

C:\Windows\system32>
```