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SECURE CODING

Intermediate

```
1) SHTASKS /CREATE /SC MONTHLY /MO FIRST /D MON /TN  
"18BCE7122_WEEKENDS\notepad task" /TR  
"C:\Users\HP\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_10.0.19041.1_none_  
5faf0ebaba197e78\calc.exe
```

```
c:\Windows\WinSxS\wow64_microsoft-windows-calc_31bf3856ad364e35_10.0.19041.1_none_  
6a03b910ee7a4073\calc.exe
```

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

ADVANCED

```
C:\WINDOWS\system32>SHTASKS /Create /SC DAILY /TN "Internet_Logger" /TR "netstat -n  
5 > scan.txt" /ST 09:37 /ET 09:58 /K  
SUCCESS: The scheduled task "Internet_Logger" has successfully been created.
```

```
SHTASKS /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 1500

```
C:\WINDOWS\system32>rd /q /s c:\$Recycle.Bin
```

```
C:\WINDOWS\system32>rd /q /s e:\$Recycle.Bin
```

```

Select Administrator: Command Prompt
Microsoft Windows [Version 10.0.19042.804]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>SCHEDTASKS /CREATE /SC MONTHLY /MO FIRST /D MON /TN "18BCE7122_WEEKENDS\Notepad task" /TR "C:\Users\HP\PycharmProjects\helloworld\helloworld.exe" /ST 20:07 /ET 21:20 /K
SUCCESS: The scheduled task "18BCE7122_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_10.0.19041.1_none_5faf0ebeb197e78\calc.exe
c:\Windows\WinSxS\wow64_microsoft-windows-calc_31bf3856ad364e35_10.0.19041.1_none_6a03b910ee7a4073\calc.exe

C:\WINDOWS\system32>SCHEDTASKS /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
SUCCESS: The scheduled task "Executor" has successfully been created.

C:\WINDOWS\system32>SCHEDTASKS /Create /SC DAILY /TN "Executor2" /TR "C:\Windows\System32\notepad.exe" /ST 17:00 /ET 17:40 /K
SUCCESS: The scheduled task "Executor2" has successfully been created.

C:\WINDOWS\system32>SCHEDTASKS /Create /SC DAILY /TN "Internet Logger" /TR "netstat -n 5 > scan.txt" /ST 09:37 /ET 09:38 /K
ERROR: The duration (1m) between /ST and /ET must be greater
        than the repetition interval (10m).

C:\WINDOWS\system32>SCHEDTASKS /Create /SC DAILY /TN "Internet Logger" /TR "netstat -n 5 > scan.txt" /ST 09:37 /ET 09:58 /K
SUCCESS: The scheduled task "Internet_Logger" 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>del /s /q %systemdrive%\$Recycle.bin
Could Not Find C:\$Recycle.bin\*

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

C:\WINDOWS\system32>for /d %x in (%systemdrive%\$Recycle.bin\*) do @rd /s /q "%x"
%%x was unexpected at this time.

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

C:\WINDOWS\system32>WHERE /R c:\ recycle
INFO: Could not find files for the given pattern(s).

C:\WINDOWS\system32>del /s /q %systemdrive%\$Recycle.bin pause
Could Not Find C:\$Recycle.bin\*
Could Not Find C:\WINDOWS\system32\pause

C:\WINDOWS\system32>mkdir /s /q %systemdrive%\$Recycle.bin
The syntax of the command is incorrect.
```