Secure Coding Lab - 4

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Write a python script to print hello world:

```
print("Hello world")
x=input("Press Enter
to exit:")
```

```
File Edit Format Run Options Window Help

print("Hello world")
x=input("Press Enter to exit:")
```

Convert the script into executable (use pyinstaller or py2exe - any of your choice) .:

C:\Users\achal\Desktop\Secure lab temp>pyinstaller temp.py

```
[Select Command Prompt

399 INFO: Looking for ctypes DLLs

409 INFO: Analyzing run-time hooks ...

409 INFO: Analyzing run-time hook "e:\\python 3.8.5\\lib\\site-packages\\PyInstaller\\hooks\\rthooks\\pyi_rth_multiprocessing.py

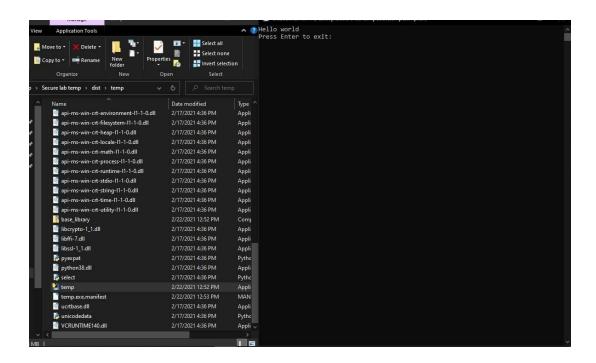
460 INFO: Looking for dynamic libraries

863 INFO: Looking for eggs

863 INFO: Looking for eggs

863 INFO: Homp Python library e:\python 3.8.5\\python38.dll

864 INFO: Found binding redirects:
            883 INFO: Using Python library e:\python 3.8.5\python38.dll
886 INFO: Cond binding reference written to C:\Users\dmamr\Desktop\Secure lab temp\build\temp\warn-temp.txt
938 INFO: Graph cross-reference written to C:\Users\dmamr\Desktop\Secure lab temp\build\temp\warn-temp.txt
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```



Schedule a task named "Python execution" to run the above executable on the first Monday of every month.

C:\Users\achal>schtasks /create /tn Python_Execution /tr "C:\Users\achal\Desktop\Secure lab temp\dist\temp\temp.exe" /sc weekly /mo 4 /d MON



Schedule a task named "Executor" on your machine to run calculator for every five minutes starting from the specified start time with no end.

C:\Users\achal>schtasks /create /tn executor /tr "calculator.exe" /sc minute /mo 5

C:\Users\dmamr>schtasks /create /tn executor /tr "calculator.exe" /sc minute /mo 5 SUCCESS: The scheduled task "executor" has successfully been created. C:\Users\dmamr>_

Schedule a task named "Executor2" to run notepad starting at 5:00PM and automatically terminating at 5:40PM hours every day.

C:\Users\achal>schtasks /create /tn Executer2 /tr "notepad.exe" /sc daily /st 17:00 /et 17:40



Schedule a task to defragment any of your local disk daily at 10AM

C:\Users\achal>schtasks /create /tn Executor3 /tr "defrag.exe C:" /sc daily /st 10:00

```
Endect.Command Prompt
Microsoft Windows [Version 10.0.19042.804]
(c) 2020 Microsoft Corporation. All rights reserved.
C:\Users\dmamr>schtasks /create /tn Executor3 /tr "defrag.exe C:" /sc daily /st 10:00
SUCCESS: The scheduled task "Executor3" has successfully been created.
C:\Users\dmamr>
```

PowerCFG:

```
Microsoft Windows [Version 10.0.19042.867]
(c) 2020 Microsoft Corporation. All rights reserved.
C:\Users\achal>powercfg /lastwake
Wake History Count - 1
Wake History [0]
 Wake Source Count - 0
C:\Users\achal>powercfg /a
The following sleep states are available on this system:
   Standby (S3)
   Hibernate
   Hybrid Sleep
   Fast Startup
The following sleep states are not available on this system:
   Standby (S1)
       The system firmware does not support this standby state.
   Standby (S2)
       The system firmware does not support this standby state.
   Standby (S0 Low Power Idle)
       The system firmware does not support this standby state.
C:\Users\achal>
```

Write a script to perform the following jobs: To lock your windows PC (Windows+L):

import ctypes ctypes.windll.user32.LockWorkStation()

To clear your Recycle Bin:

import winshell

winshell.recycle_bin().empty(confirm=False, show_progress=False, sound=False)