

SECURE CODING LAB-4

SAI VISWAS

18BCD7124

L39+L40

Write a python script to print hello world:








```
print("Hello world")
```

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

```
1 print("Hello World")
2 x=input("Press Enter to exit:")
```

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

C:\Users\SAI VISWAS>pyinstaller 18BCD7124.py

	DateClient	28-02-2021 00:33	JAVA File	1 KB
	DateServer	28-02-2021 00:32	JAVA File	1 KB
	Demo	28-02-2021 00:24	JAVA File	1 KB
	ipaddress	28-02-2021 00:19	JAVA File	1 KB
	18BCD7124	02-03-2021 15:08	JetBrains PyCharm ...	1 KB
	UDPCClient	27-02-2021 23:03	JAVA File	2 KB
	UDPServer	27-02-2021 23:04	JAVA File	2 KB

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

```
C:\Users\SAI VISWAS>schtasks /create /sc monthly /mo first /d mon /tn "Python Execution" /tr "18BCD7124.exe"
```

SUCCESS: The scheduled task "Python Execution" has successfully been created.

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:\Windows\system32>schtasks /create /sc minute /mo 5 /tn "Executor" /tr "Calculator.exe" /st 17:30
```

SUCCESS: The scheduled task "Executor" has successfully been created.

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

```
C:\Windows\system32>schtasks /create /sc daily /tn "Executor2" /tr "notepad.exe" /st 17:00 /et 17:40
```

SUCCESS: The scheduled task "Executor2" has successfully been created

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

```
C:\Windows\system32>schtasks /create /sc daily /tn "Defragment E Daily 18BCD7124" /tr "defrag.exe E:"
```

SUCCESS: The scheduled task "Defragment E Daily 18BCD7124" has successfully been created.

PowerCFG:

Powercfg is a very powerful command for managing and tracking how your computer uses energy

```
C:\Windows\system32>powercfg/energy
Enabling tracing for 60 seconds...
Observing system behavior...
Analyzing trace data...
Analysis complete.

Energy efficiency problems were found.

7 Errors
12 Warnings
52 Informational

See C:\Windows\system32\energy-report.html for more details.
```

Examines the system for common energy-efficiency and battery life problems.

```
C:\Users\SAI VISWAS>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.
```

shows the sleep states in available system

```
C:\Users\SAI VISWAS>powercfg /lastwake
Wake History Count - 1
Wake History [0]
Wake Source Count - 0

C:\Users\SAI VISWAS>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.
```

shows the information about what woke the system from the last sleep transition.

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)
```