Secure Coding -Lab4

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Questions :

1.

> - **Write a python script to print hello world.**
> - **Convert the script into executable (use pyinstaller or py2exe – any of your choice).**
> - **Schedule a task named "Python execution" to run the above executable on the first Monday of every month.**

Creating the task


```
C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.19042.804]
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C:\Users\Nagacharan>cd Desktop

C:\Users\Nagacharan\Desktop>cd Python Programs

C:\Users\Nagacharan\Desktop\Python Programs>cd 18BCE7181

C:\Users\Nagacharan\Desktop\Python Programs\18BCE7181>python hello.py
Hello World

C:\Users\Nagacharan\Desktop\Python Programs\18BCE7181>
```

Task has been created .

2.

- Schedule a task named "Executer" on your
  machine to run calculator for every five minutes
  starting from the specified start time with no end
- Schedule a task named "Executer2" to run
  notepad starting at 5:00PM and automatically
  terminating at 5:40PM hours every day

(1)

Creating task

```
C:\Users\dell>SCHTASKS/CREATE /SC MINUTE /MO 5 /TN "Executer" /TR "C:\windows\system32\calculator.exe" /st 09:00
SUCCESS: The scheduled task "Executer" has successfully been created.

C:\Users\dell>
```

```
C:\Users\My Pc> SCHTASKS /Create /SC DAILY /TN "Executer2" /TR "C:\windows\system32\Notepad " /ST 17:00 /ET 17:40 /K
SUCCESS: The scheduled task "Executer2" has successfully been created.

C:\Users\My Pc>
```

Task created

(2)

Creating task

Task created

3 .

Schedule a task named "Logger" to log your internet
explorer activity to a separate text file

Creating task

```
C:\Users\dell>SCHTASKS /CREATE /SC Daily /tn "logtrackker" /TR c:\windows\system32\notepad.exe
SUCCESS: The scheduled task "logtrackker" has successfully been created.

C:\Users\dell>
```

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

```
C:\Users\dell>SCHTASKS /Create /SC Daily /TN "DEFRAGMENT" /TR c:windows\system32\defrag.exe /ST 10:00
SUCCESS: The scheduled task "DEFRAGMENT" has successfully been created.

C:\Users\dell>
```

4.Powercfg

Lastwake :

```
Microsoft Windows [Version 10.0.19042.804]
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C:\Windows\system32>powercfg/lastwake
Wake History Count - 1
Wake History [0]
  Wake Source Count - 0

C:\Windows\system32>
```

Sleepstudy :

```
C:\Windows\system32>powercfg /sleepstudy
Sleep Study report saved to file path C:\Windows\system32\sleepstudy-report.html.

C:\Windows\system32>
```

Energy:

```
C:\Windows\system32>powercfg /waketimers
There are no active wake timers in the system.

C:\Windows\system32>
```

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

Energy efficiency problems were found.

4 Errors
10 Warnings
49 Informational

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

C:\Windows\system32>
```

```
C:\Windows\system32>powercfg /hibernate on

C:\Windows\system32>powercfg /hibernate off

C:\Windows\system32>powercfg /a
The following sleep states are available on this system:
    Standby (S3)

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.

    Hibernate
        Hibernation has not been enabled.

    Standby (S0 Low Power Idle)
        The system firmware does not support this standby state.

    Hybrid Sleep
        Hibernation is not available.

    Fast Startup
        Hibernation is not available.


C:\Windows\system32>
```

5.

- To lock your PC(Win + L)
- To clear your recycle bin

Write a script to perform the following jobs

(1)

@echo off
rundll32.exe user32.dll, LockWorkStation
Cls

(2) rmdir /s %systemdrive%\$Recycle.bin
6

- Create a task name "Reg.no_Task1" to run on a specific time
- Change the time of the scheduled task

- Delete the scheduled task

- Schedule an another task to run only on Weekdays

- Schedule an another task to run only on Weekends

(1)
Creating task

```
C:\Users\dell>SCHTASKS /Create /SC DAILY /TN 18Bce7181_Task1 /TR c:\Desktop /ST 12:00
SUCCESS: The scheduled task "18Bce7181_Task1" has successfully been created.

C:\Users\dell>
```

Task created

(2)

```
C:\Users\dell>SCHTASKS /Change /TN 18Bce7181_Task1 /ST 13:00
Please enter the run as password for dell: ***********

SUCCESS: The parameters of scheduled task "18Bce7181_Task1" have been changed.

C:\Users\dell>
```

(3)

```
C:\Users\dell>SCHTASKS /Delete /TN 18Bce7181_Task1
WARNING: Are you sure you want to remove the task "18Bce7181_Task1" (Y/N)? y
SUCCESS: The scheduled task "18Bce7181_Task1" was successfully deleted.

C:\Users\dell>
```

(4)

(5)

```
C:\Users\dell>SCHTASKS /CREATE /SC WEEKLY /D MON,TUE,WED,THU,FRI /TN HEMANTH /TR "C:\Windows\system32
SUCCESS: The scheduled task "HEMANTH" has successfully been created.

C:\Users\dell>
```