SECURE CODING CSE-2010
LAB-4
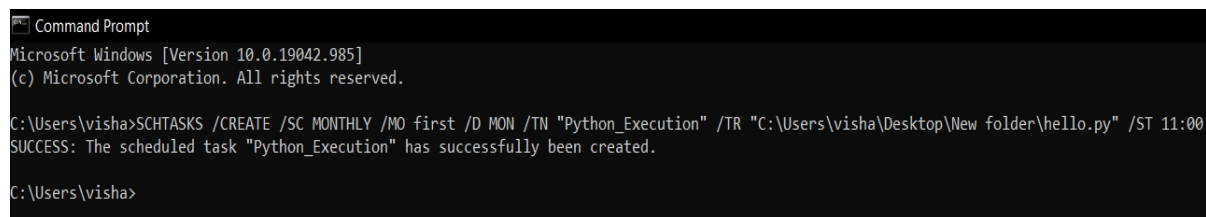
NAME - VISHAL DUNG DUNG
REG NO - 18BCN7053
SLOT- L23-L24

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.

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

```
C:\Users\visha>SCHTASKS /CREATE /SC DAILY /TN "Executor2" /TR "C:\Windows\System32\notepad.exe" /ST 17:00 /ET 17:40
SUCCESS: The scheduled task "Executor2" has successfully been created.

C:\Users\visha>
```

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

```
C:\Users\visha>SCHTASKS /CREATE /SC DAILY /ST 10:00 /TN "Defragment_task" /TR "C:\Windows\System32\defrag.exe C:"
SUCCESS: The scheduled task "Defragment_task" has successfully been created.

C:\Users\visha>
```

Attrib command :

```
C:\Users\visha>attrib /?
Displays or changes file attributes.

ATTRIB [+R | -R] [+A | -A] [+S | -S] [+H | -H] [+O | -O] [+I | -I] [+X | -X] [+P | -P] [+U | -U]
       [drive:][path][filename] [/S [/D]] [/L]

  +   Sets an attribute.
  -   Clears an attribute.
  R   Read-only file attribute.
  A   Archive file attribute.
  S   System file attribute.
  H   Hidden file attribute.
  O   Offline attribute.
  I   Not content indexed file attribute.
  X   No scrub file attribute.
  V   Integrity attribute.
  P   Pinned attribute.
  U   Unpinned attribute.
  B   SMR Blob attribute.
  [drive:][path][filename]
      Specifies a file or files for attrib to process.
  /S  Processes matching files in the current folder
      and all subfolders.
  /D  Processes folders as well.
  /L  Work on the attributes of the Symbolic Link versus
      the target of the Symbolic Link


C:\Users\visha>
```

Powercfg


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

C:\WINDOWS\system32>powercfg /lastwake
Wake History Count - 0
```

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

Energy efficiency problems were found.

6 Errors
1 Warnings
46 Informational
```

```
C:\WINDOWS\system32>powercfg /devicequery all_devices
Intel(R) Dynamic Application Loader Host Interface
Intel(R) Dynamic Tuning Processor Participant
Motherboard resources
Motherboard resources (001)
Motherboard resources (002)
Generic software component
Microsoft ACPI-Compliant Embedded Controller
Microsoft ACPI-Compliant Control Method Battery
ACPI Processor Aggregator
Realtek(R) Audio
HID Keyboard Device
Root Print Queue
Volume Manager
System Firmware
Trusted Platform Module 2.0
HID-compliant consumer control device
Intel(R) Dynamic Tuning Manager
WAN Miniport (PPPOE)
Microsoft Print to PDF
High Definition Audio Controller
Intel(R) 300 Series Chipset Family SATA AHCI Controller
USB Composite Device
Microsoft Basic Display Driver
USB Composite Device (002)
Intel(R) Dynamic Tuning Generic Participant
OneNote for Windows 10
Intel(R) 300 Series Chipset Family LPC Controller (HM370) - A30D
Speakers (Realtek(R) Audio)
VirtualBox Host-Only Ethernet Adapter
High Definition Audio Controller (001)
Intel(R) SPI (flash) Controller - A324
Microsoft Windows Management Interface for ACPI
Programmable interrupt controller
UCM-UCSI ACPI Device
WAN Miniport (PPTP)
I2C HID Device
```

Write a script to perform the following jobs

1.To lock your PC (Win + L)

CODE-
import ctypes
ctypes.windll.user32.LockWorkStation()

2.To clear your recycle bin

```
C:\WINDOWS\system32>rd /s %systemdrive%\$Recycle.bin
C:\$Recycle.bin, Are you sure (Y/N)? y

C:\WINDOWS\system32>_
```