SECURE CODING

LAB-4

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18BCN7025

1)write a python script to print hello world

print(‘hello world ’)

```
C:\Users\Ruthvika\PycharmProjects\myproject>18bce7340.py
hello world
```

Intermediate

- 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:\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.
```

```
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.

C:\Windows\system32>
```

- Schedule a task named “Executer2" to run notepad starting at 5:00PM and automatically terminating at 5:40PM hours every day

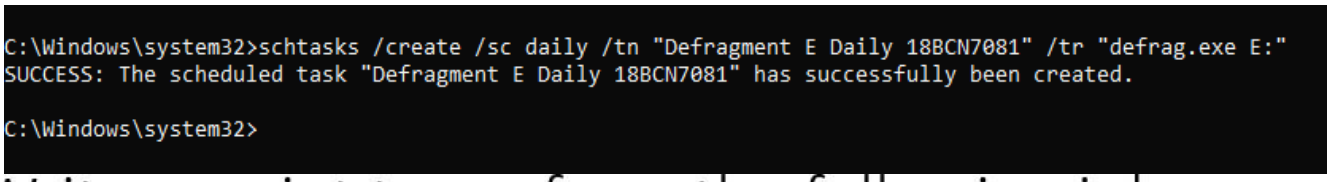
```
C:\Windows\system32>schtasks /create /sc daily /tn "Executor2"
/tr "notepad.exe" /st 17:00 /et 17:40
SUCCESS: The scheduled task "Executor2" has successfully been
created.
```

```
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.

C:\Windows\system32>
```

Advanced

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

```
C:\Windows\system32>schtasks /create /sc daily /tn "Defragment
E Daily 18BCN7081" /tr "defrag.exe E:"
SUCCESS: The scheduled task "Defragment E Daily 18BCN7081" has
successfully been created.
```



Write a script to perform the following jobs

- To lock your PC(Win + L)

CMD Script:

```
rundll32.exe user32.dll, LockWorkStation
```

- To clear your recycle bin

CMD Script:

```
rmdir /s %systemdrive%\$Recycle.bin
```

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

C:\Windows\system32>
```

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.

3 Errors
4 Warnings
60 Informational

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

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

```
C:\Windows\system32>powercfg /lastwake
Wake History Count - 1
Wake History [0]
  Wake Source Count - 1
  Wake Source [0]
    Type: Fixed Feature
    Power Button
```

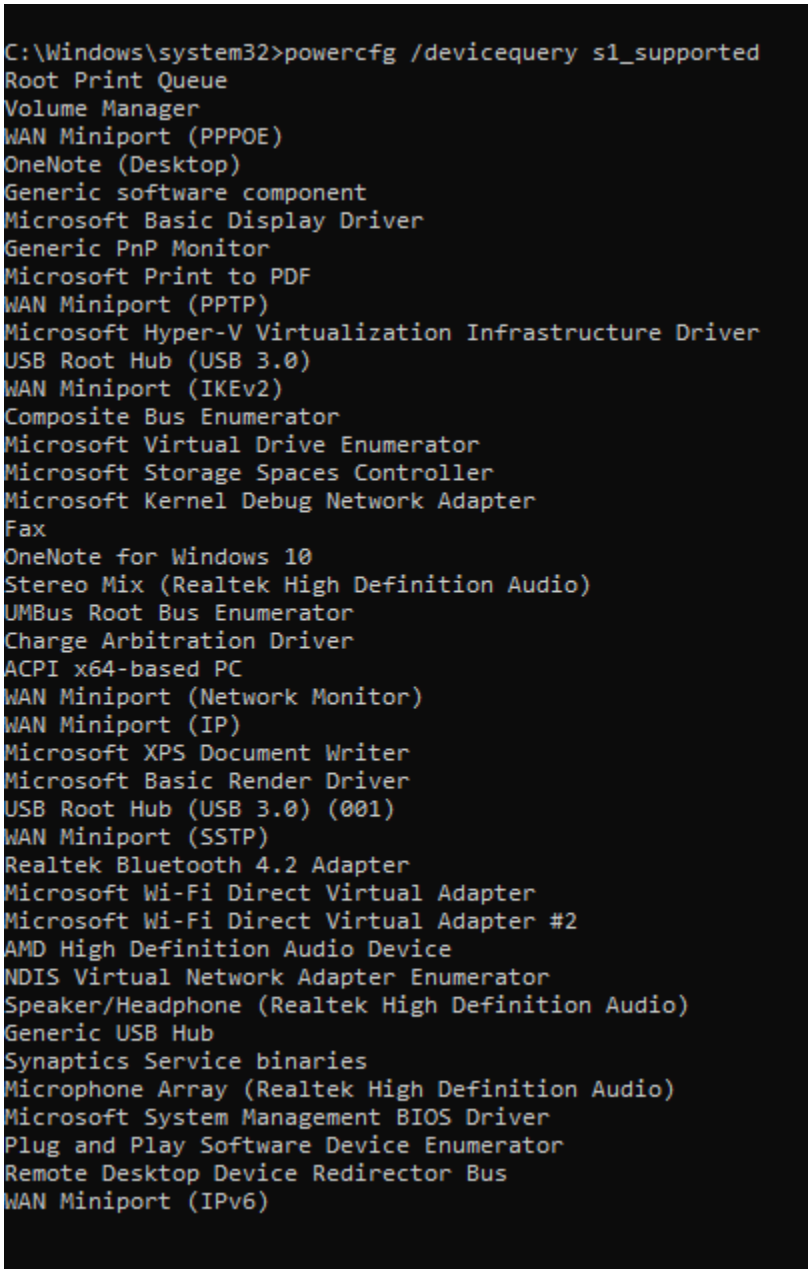
shows the information about what woke the system from the last sleep transition.

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

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

Will turn hibernate feature on and 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.
```

shows the sleep states in available system



To list the devices that supports waking PC from S1 state