<mark>Secure Coding CSE-2010</mark>

<mark>Lab Assignment-4</mark>

Name: G.GAYATHRI

Slot   : L23+24
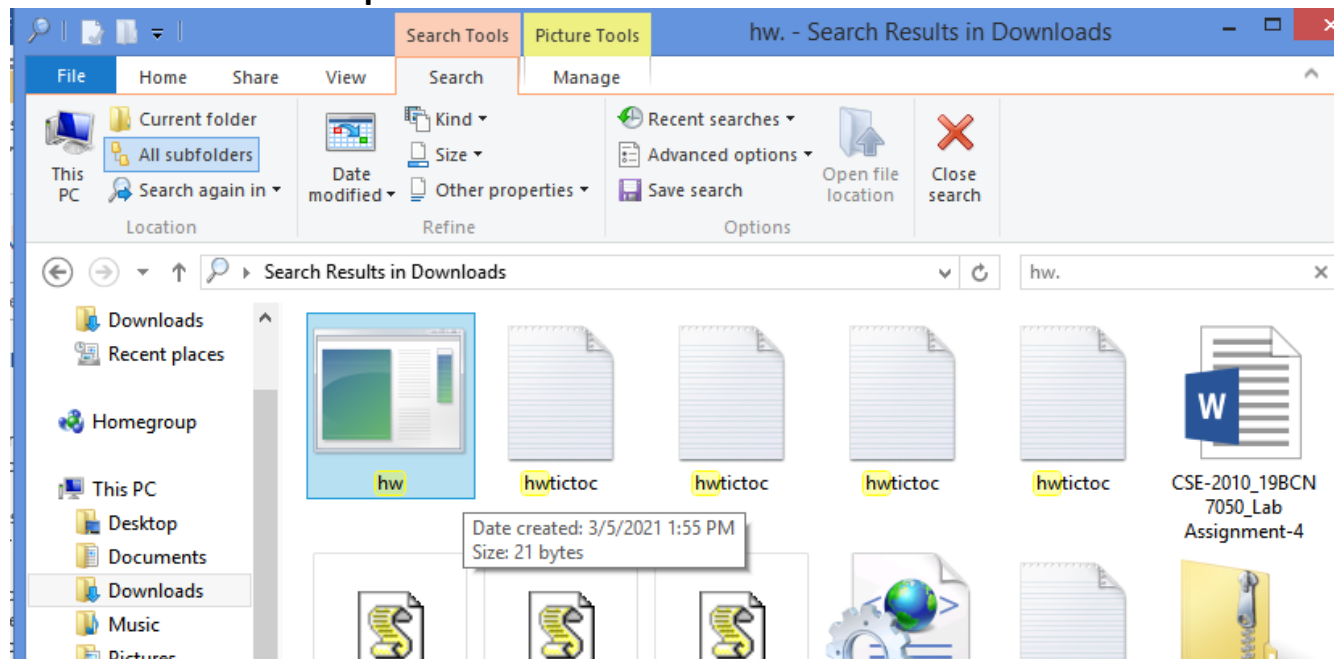
Reg.No : 19BCN7034

<mark>**Mid-level**</mark>

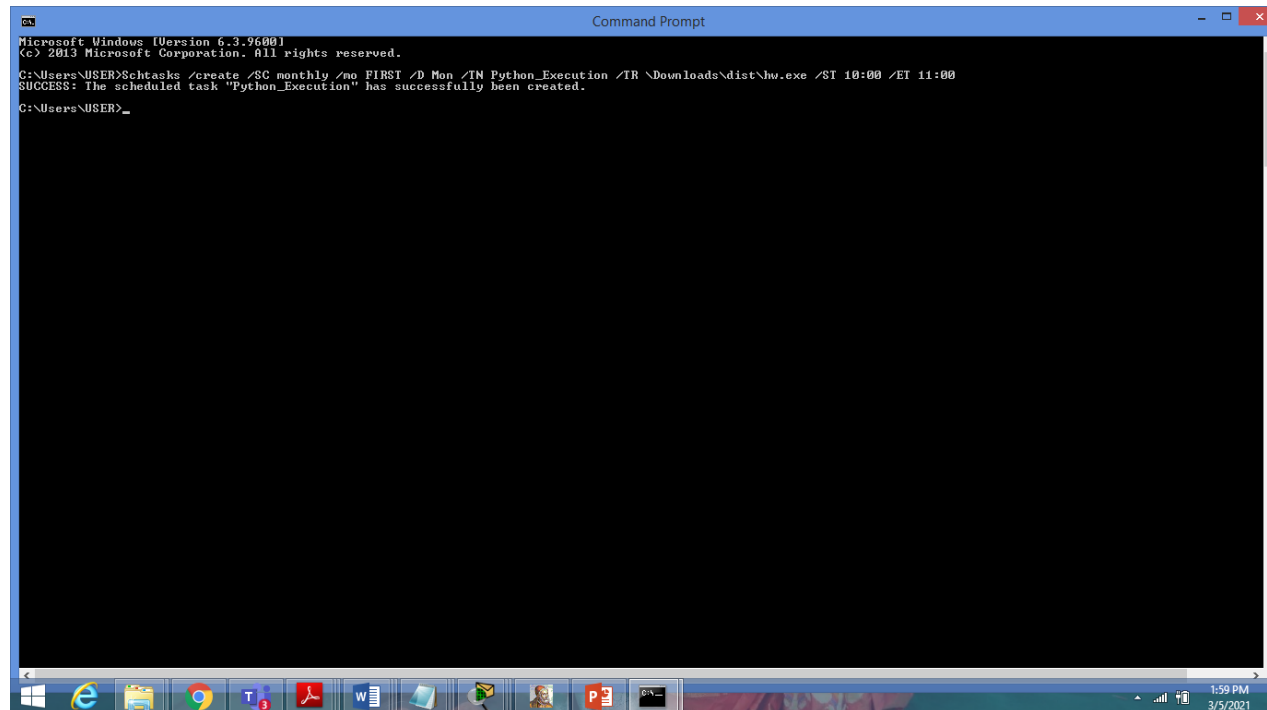- **Write a python script to print hello world.**
  hw.py code :
  print ("Hello World")
- **Convert the script into executable.**

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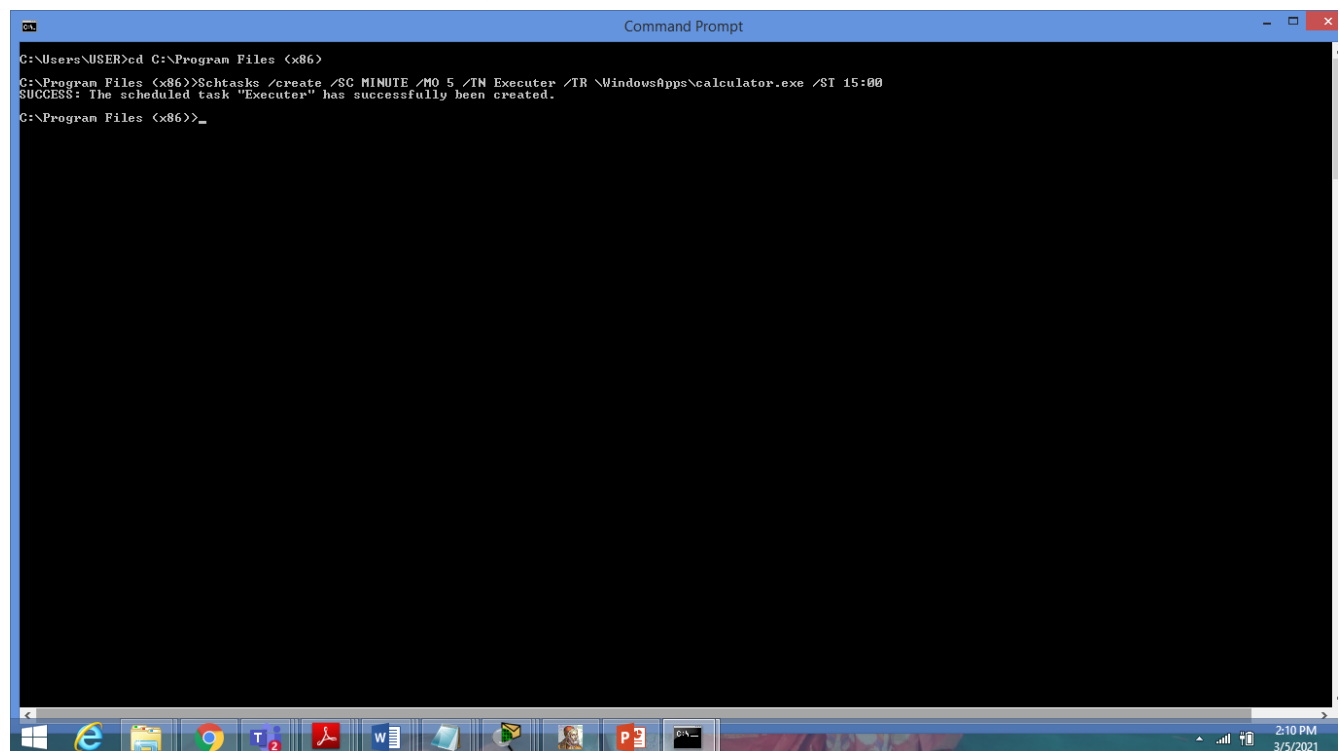
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Intermediate

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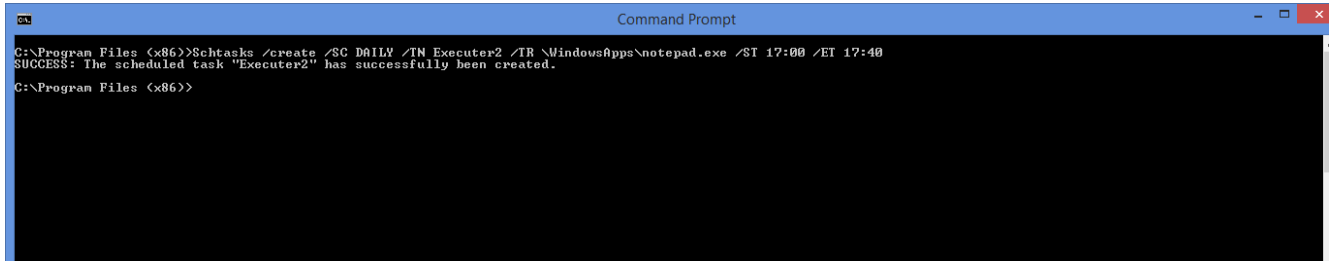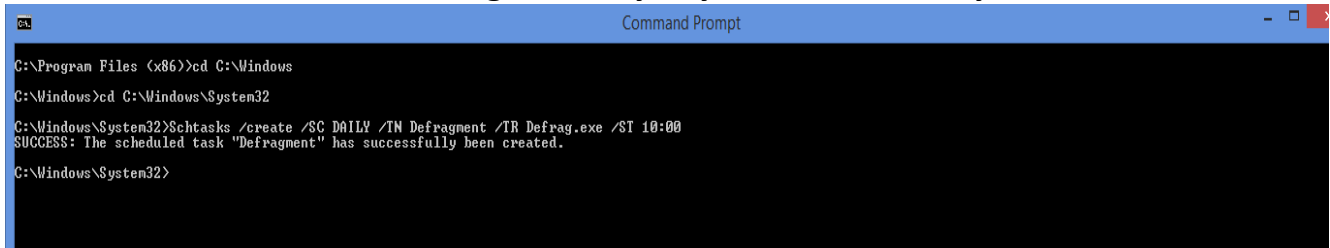
- **Schedule a task named "Executer2" to run notepad starting at 5:00PM and automatically terminating at 5:40PM hours every day.**

```
C:\Program Files (x86)>Schtasks /create /SC DAILY /TN Executer2 /TR \WindowsApps\notepad.exe /ST 17:00 /ET 17:40
SUCCESS: The scheduled task "Executer2" has successfully been created.

C:\Program Files (x86)>
```

Advanced

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

- **Schedule a task to defragment any of you local disk daily at 10AM.**

```
C:\Program Files (x86)>cd C:\Windows

C:\Windows>cd C:\Windows\System32

C:\Windows\System32>Schtasks /create /SC DAILY /TN Defragment /TR Defrag.exe /ST 10:00
SUCCESS: The scheduled task "Defragment" has successfully been created.

C:\Windows\System32>
```
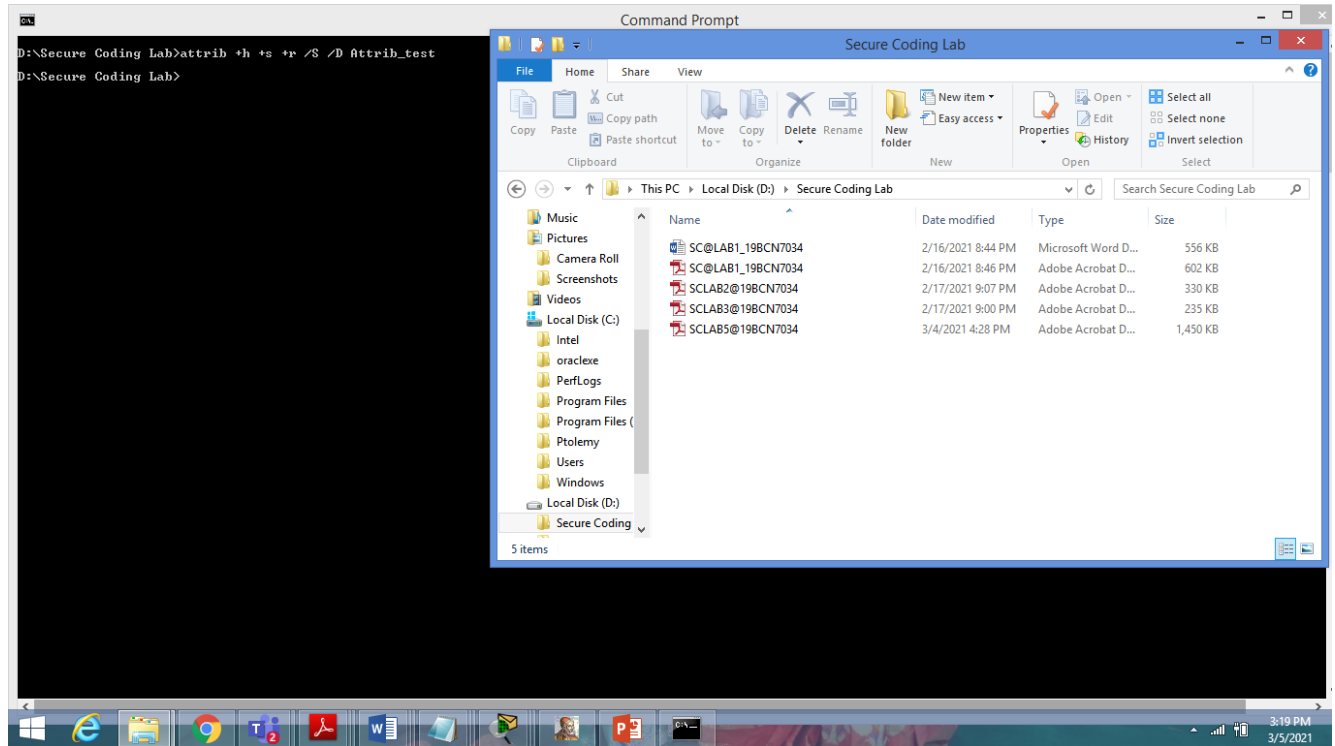
Attrib Commands:

+r = This assigns the read-only file attribute to the file or directory.
-r = This removes the read-only attribute.
+s = This assigns the system file attribute to the file or directory.
-s = This removes the system attribute.
+h = This assigns the hidden file attribute to the file or directory.
-h = This removes the hidden attribute.
+c = This assigns the compressed file attribute to the file or directory.
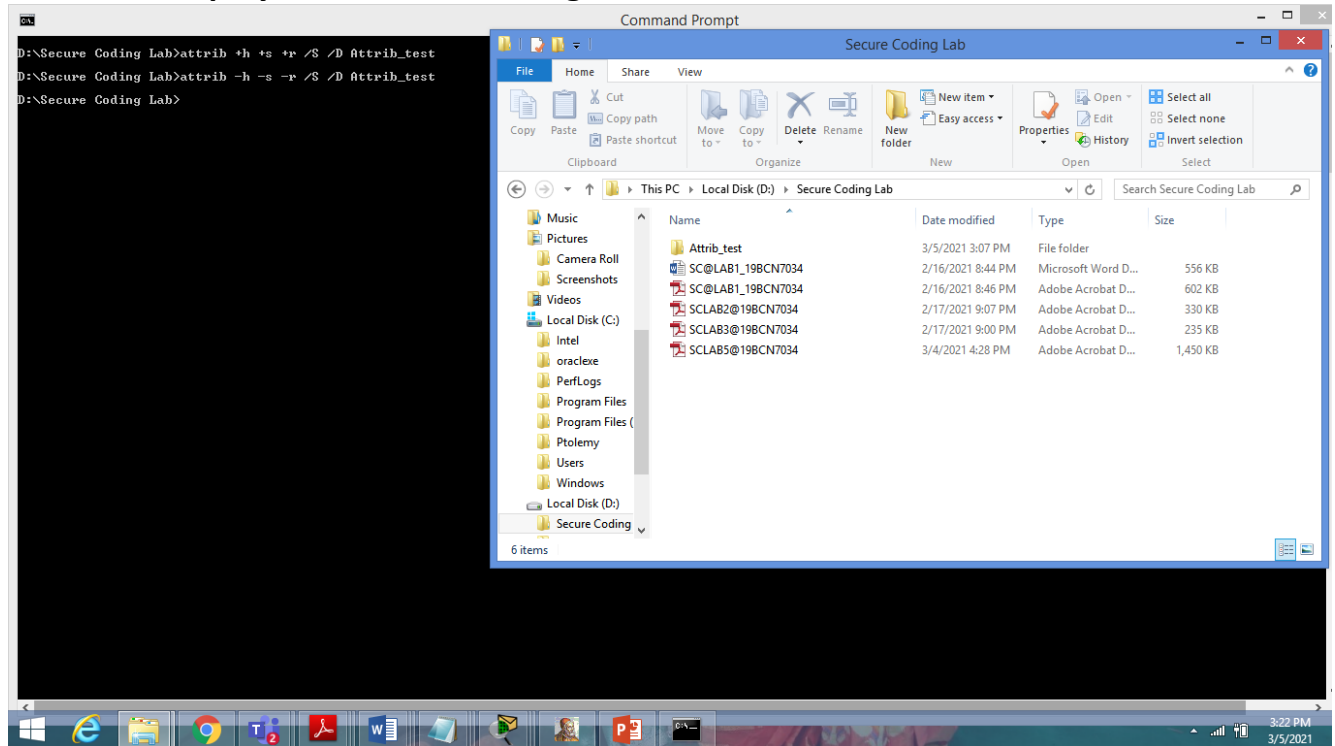-c = This removes the compressed attribute.
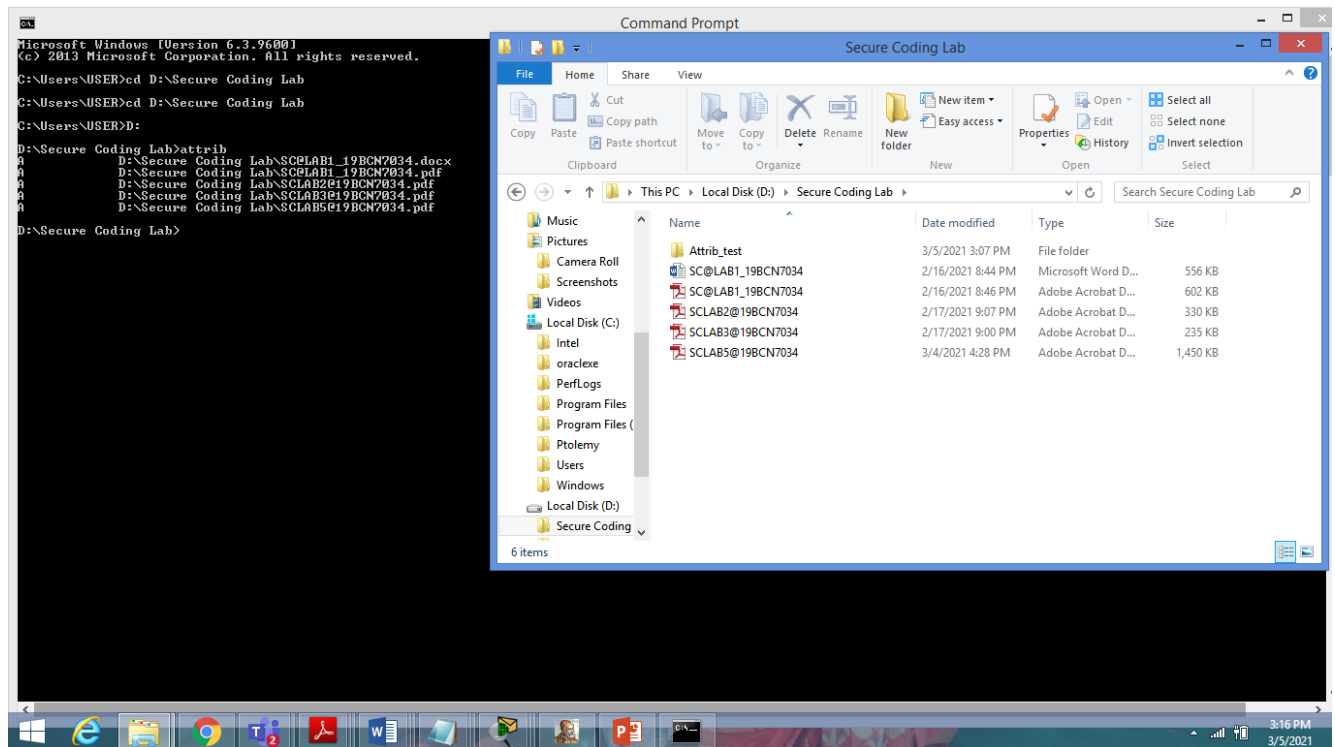
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- **To hide a folder**

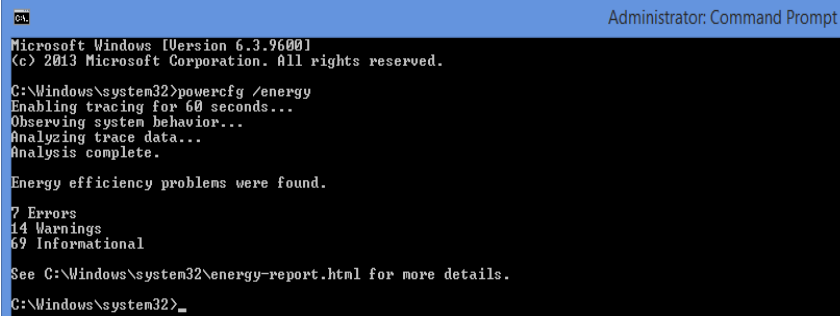- **To display the above folder again**

Powercfg

- **powercfg /Energy**

- **powercfg /lastwake4**

- **powercfg /batteryreport**

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Battery report

COMPUTER NAME	LENOVO
SYSTEM PRODUCT NAME	LENOVO IdeaPad Z580
BIOS	5FCN34WW 06/11/2012
OS BUILD	9600.16384.amd64fre.winblue_rtm.130821-1623
PLATFORM ROLE	Mobile
CONNECTED STANDBY	Not supported
REPORT TIME	2021-03-05 15:33:37

Installed batteries
Information about each currently installed battery

	BATTERY 1
NAME	L11L6Y01
MANUFACTURER	LGC
SERIAL NUMBER	-
CHEMISTRY	LION
DESIGN CAPACITY	47,520 mWh
FULL CHARGE CAPACITY	14,548 mWh
CYCLE COUNT	

powercfg /hibernate on and powercfg /availablesleepstates

```
C:\WINDOWS\system32>powercfg /availablesleepstates
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>powercfg /hibernate on

C:\WINDOWS\system32>powercfg /availablesleepstates
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.
```

- **powercfg /hibernate off and powercfg /availablesleepstates**

```
C:\WINDOWS\system32>powercfg /availablesleepstates
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 /hibernate off

C:\WINDOWS\system32>powercfg /availablesleepstates
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.
```

- **powercfg /devicequery s1_supported**

```
C:\Windows\system32>powercfg /devicequery s1_supported
Motherboard resources
Motherboard resources (001)
Microphone (High Definition Audio Device)
Microsoft ACPI-Compliant Embedded Controller
Microsoft ACPI-Compliant Control Method Battery
Root Print Queue
Realtek USB 2.0 Card Reader
Volume Manager
Numeric data processor
High Definition Audio Controller
Intel(R) HD Graphics 4000
Microsoft Basic Display Driver
ACPI Sleep Button
Microsoft IPv4 IPv6 Transition Adapter Bus
Intel(R) USB 3.0 eXtensible Host Controller - 0100 (Microsoft)
ACPI Thermal Zone
Standard SATA AHCI Controller
Microsoft Windows Management Interface for ACPI
Intel(R) 82802 Firmware Hub Device
USB Root Hub (xHCI)
High precision event timer
Send To OneNote 2013
Intel(R) Management Engine Interface
Composite Bus Enumerator
Microsoft Virtual Drive Enumerator
Microsoft ISATAP Adapter #2
Microsoft AC Adapter
Microsoft Storage Spaces Controller
NVIDIA GeForce GT 630M
High Definition Audio Device
Microsoft Kernel Debug Network Adapter
Generic PnP Monitor
Microsoft XPS Document Writer
Intel(R) 7 Series/C216 Chipset Family PCI Express Root Port 1 - 1E10
System timer
ACPI Lid
Intel(R) Display Audio
UMBus Root Bus Enumerator
Generic USB Hub
ACPI x64-based PC
Lenovo ACPI-Compliant Virtual Power Controller
ACPI Power Button
Microsoft Basic Render Driver
Fax
Xeon(R) processor E3-1200 v2/3rd Gen Core processor PCI Express Root Port - 0151
Intel(R) 7 Series/C216 Chipset Family PCI Express Root Port 2 - 1E12
ACPI Fixed Feature Button
USB Root Hub
Broadcom 802.11n Network Adapter
Realtek PCIe FE Family Controller
Intel(R) 7 Series/C216 Chipset Family USB Enhanced Host Controller - 1E2D
Speakers (High Definition Audio Device)
System CMOS/real time clock
ST500LM012 HN-M500MBB
NDIS Virtual Network Adapter Enumerator
```

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```
USB Root Hub
Broadcom 802.11n Network Adapter
Realtek PCIe FE Family Controller
Intel(R) 7 Series/C216 Chipset Family USB Enhanced Host Controller - 1E2D
Speakers (High Definition Audio Device)
System CMOS/real time clock
ST500LM012 HN-M500MBB
NDIS Virtual Network Adapter Enumerator
Programmable interrupt controller
Generic USB Hub (001)
Standard PS/2 Keyboard
MATSHITA DVD-RAM UJ8C1
Intel(R) 7 Series/C216 Chipset Family PCI Express Root Port 3 - 1E14
Motherboard resources (002)
Microsoft System Management BIOS Driver
Motherboard resources (003)
Direct memory access controller
Intel(R) 7 Series/C216 Chipset Family USB Enhanced Host Controller - 1E26
USB Root Hub (001)
Intel(R) Core(TM) i5-3210M CPU @ 2.50GHz
Intel(R) Core(TM) i5-3210M CPU @ 2.50GHz (001)
Intel(R) Core(TM) i5-3210M CPU @ 2.50GHz (002)
Intel(R) Core(TM) i5-3210M CPU @ 2.50GHz (003)
Plug and Play Software Device Enumerator
IWD Bus Enumerator
PS/2 Compatible Mouse
Remote Desktop Device Redirector Bus
Broadcom Bluetooth 4.0 USB


C:\Windows\system32>_
```

- **To lock your PC (Win+L)**
  LockPC.java
  ```java
  import java.io.*;
  public class LockPC
  {
          public static void main(String []args) throws IOException
          {
                  Runtime rt = Runtime.getRuntime();
                  Process pr = rt.exec("C:\\Windows\\System32\\rundll32.exe user32.dll,LockWorkStation");
          }
  }
  ```
- **To clear your recycle bin**

  Before Execution :

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CODE :

After Execution :