

Secure Coding CSE-2010

Lab Assignment-4

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Slot : L23+24

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(Q) Mid-level

- Write a python script to print hello world.

hw.py code :

```
print ("Hello World")
```

- Convert the script into executable.

 hw.exe	20-02-2021 12:14	Application	7,537 KB
--	------------------	-------------	----------

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

```
C:\Users\NISHIT VERMA>Schtasks /create /SC monthly /mo FIRST /D Mon /TN Python_Execution /TR \Downloads\dist\hw.exe /ST 10:00 /ET 11:00  
SUCCESS: The scheduled task "Python_Execution" has successfully been created.
```

(Q) 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.

```
C:\Program Files>Schtasks /create /SC MINUTE /MO 5 /TN Executer /TR \WindowsApps\calculator.exe /ST 15:00  
SUCCESS: The scheduled task "Executer" has successfully been created.
```

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

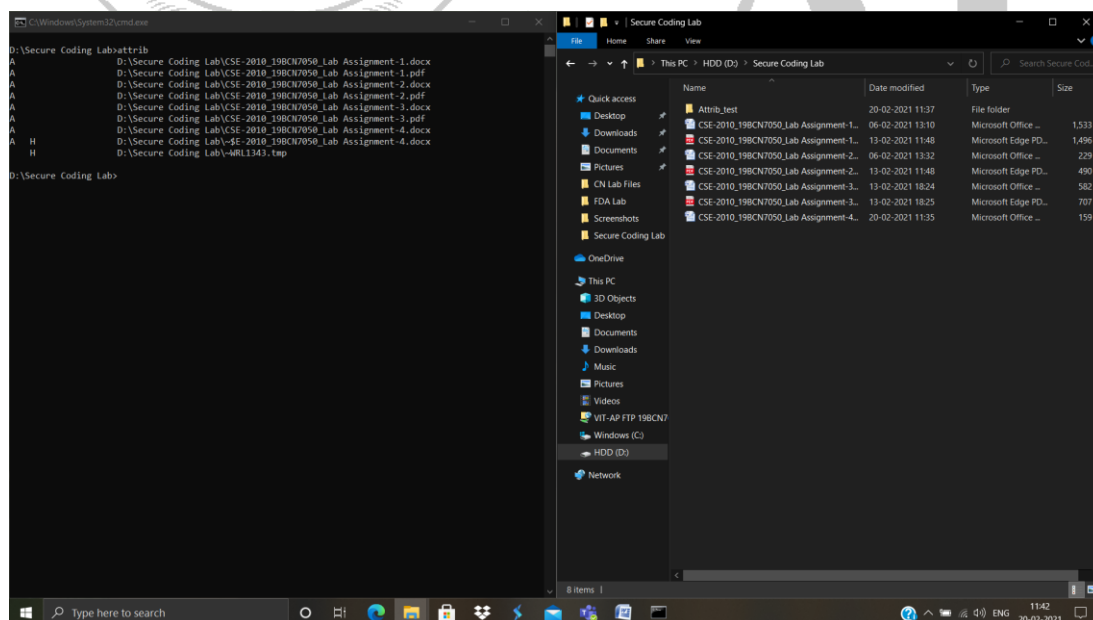
```
C:\Program Files>Schtasks /create /SC DAILY /TN Executer2 /TR \WindowsApps\notepad.exe /ST 17:00 /ET 17:40
SUCCESS: The scheduled task "Executer2" has successfully been created.
```

(Q) Advanced

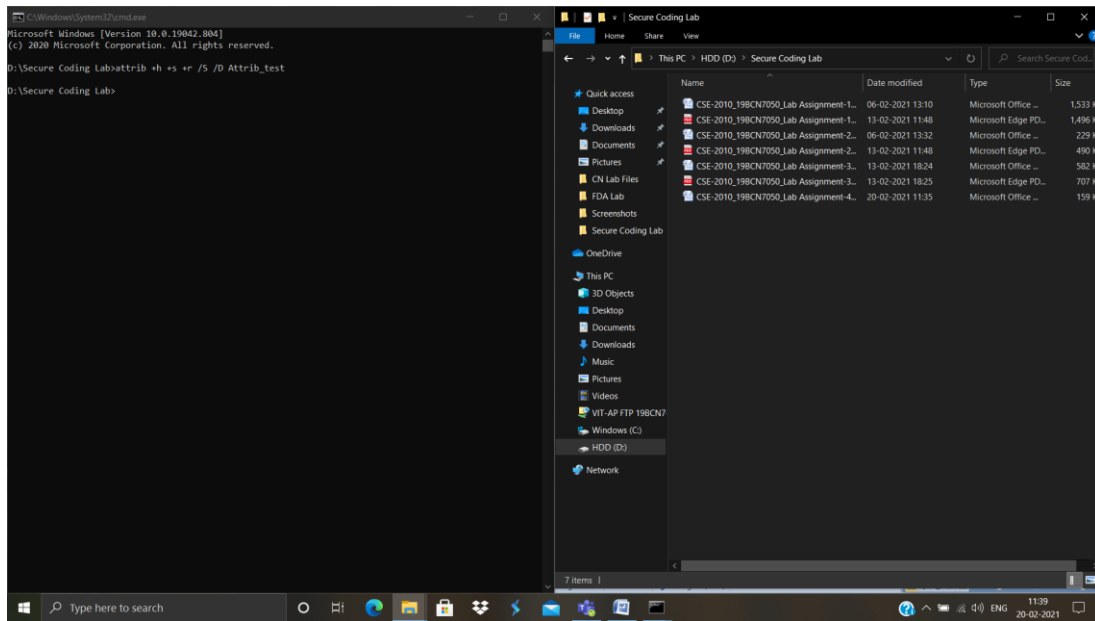
- Schedule a task named “Logger” to log your internet explorer activity to a separate text file.
- Schedule a task to defragment any of you local disk daily at 10AM.

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

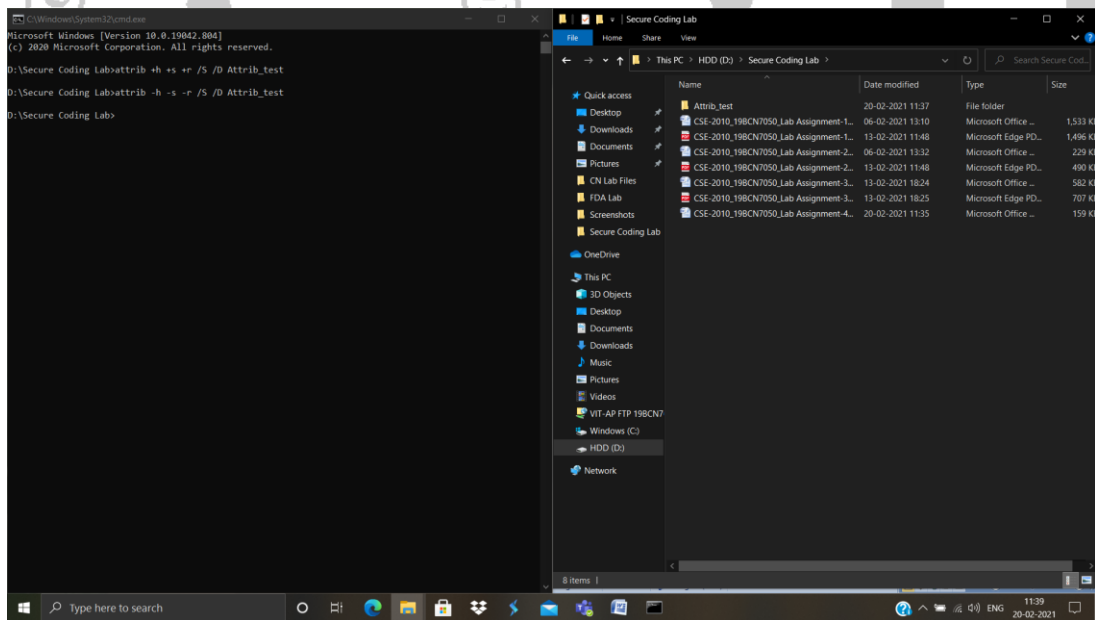
(Q) Attrib Command



- To hide a folder

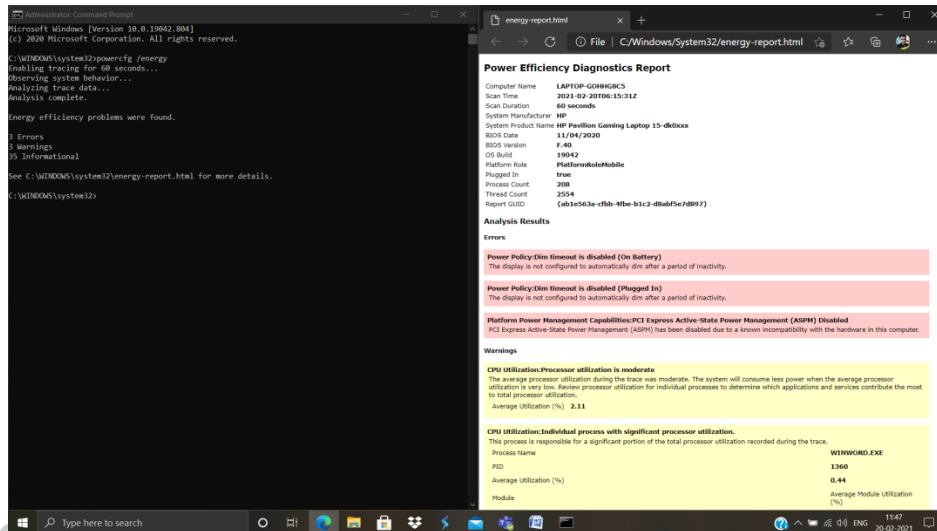


- To display the above folder again

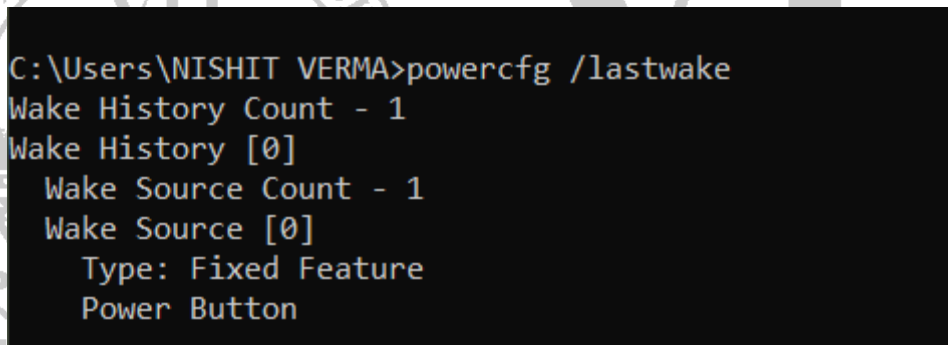


(Q) Powercfg

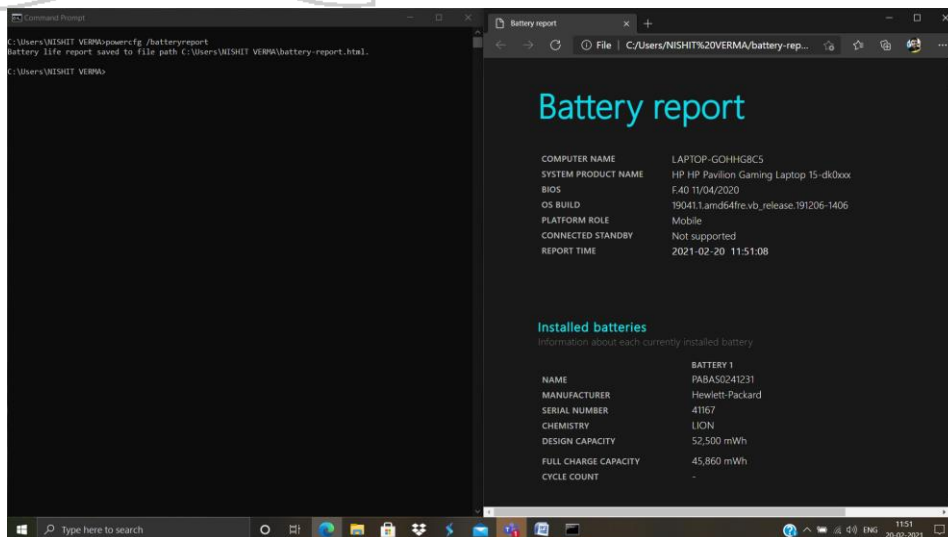
- powercfg /Energy



- powercfg /lastwake



- powercfg /batteryreport



- **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
USB Root Hub (USB 3.0)
Intel(R) Graphics Command Center
Microsoft Wi-Fi Direct Virtual Adapter
Microsoft Wi-Fi Direct Virtual Adapter #2
Root Print Queue
Intel(R) XTU Component Device
Volume Manager
WAN Miniport (PPPOE)
Microsoft Basic Display Driver
Stereo Mix (Realtek(R) Audio)
VirtualBox Host-Only Ethernet Adapter
Intel(R) iCLS Client
Omen Software and Services
LAPTOP-G637AG3U Hands-Free HF Audio
Microsoft Bluetooth LE Enumerator
WH-CH400 Hands-Free AG Audio
Intel(R) XTU Component Device (001)
WAN Miniport (PPTP)
Intel(R) XTU Component Device (002)
Microsoft Hyper-V Virtualization Infrastructure Driver
HP Audio Hardware Support Application
Intel(R) Dynamic Application Loader Host Interface
WAN Miniport (IKEv2)
Composite Bus Enumerator
Microsoft Virtual Drive Enumerator
Microsoft Storage Spaces Controller
Generic software component
Virtual Gamepad Emulation Bus
Intel(R) Graphics Control Panel
Microsoft Kernel Debug Network Adapter
Headset (WH-CH400 Hands-Free AG Audio)
Headset (WH-CH400 Hands-Free AG Audio) (001)
Fax
Microphone Array (Realtek(R) Audio)
Generic software component (001)
UMBus Root Bus Enumerator
Charge Arbitration Driver
ZB-Rocker Thunder Hands-Free AG Audio
ACPI x64-based PC
Intel(R) Optane(TM) Pinning Shell Extensions
```

Intel(R) Optane(TM) Pinning Shell Extensions
WAN Miniport (Network Monitor)
WAN Miniport (IP)
Headphones (WH-CH400 Stereo)
Microsoft Bluetooth Enumerator
Yash
Microsoft Basic Render Driver
KD-43X7500F (001)
WAN Miniport (SSTP)
Intel(R) Pinning Shell Extensions
Yash Hands-Free HF Audio
Intel(R) iCLS Client (001)
Bluetooth Device (RFCOMM Protocol TDI)
Bluetooth Device (Personal Area Network)
Intel(R) XTU Component Device (003)
Realtek Audio Effects Component
Intel(R) XTU Component Device (004)
Intel(R) XTU Component Device (005)
Intel(R) XTU Component Device (006)
Intel(R) Dynamic Application Loader Host Interface (001)
Intel(R) XTU Component Device (007)
NVIDIA Virtual Audio Device (Wave Extensible) (WDM)
NVVHCI Enumerator
HP Radio Manager Device
Intel(R) XTU Component Device (008)
Speaker / Headphone (Realtek(R) Audio)
NDIS Virtual Network Adapter Enumerator
Generic software component (002)
Intel(R) XTU Component Device (009)
Generic PnP Monitor (002)
Realtek Audio Universal Service
Sound Research Audio Effects Component
Microsoft Print to PDF
Microsoft XPS Document Writer
Microsoft System Management BIOS Driver
Intel(R) XTU Component Device (010)
OneNote for Windows 10
Intel(R) Wireless Bluetooth(R)
HP Device Health Service
Plug and Play Software Device Enumerator
Remote Desktop Device Redirector Bus
Intel(R) XTU Component Device (011)
WAN Miniport (IPv6)
HP Application Enabling Services
WAN Miniport (L2TP)

(Q) Write a script to perform the following Jobs

- To lock your PC (Win+L)

LockPC.java

```
import java.io.*;
```

```
public class LockPC
```

```
{
```

```
    public static void main(String []args) throws IOException
```

```
    {
```

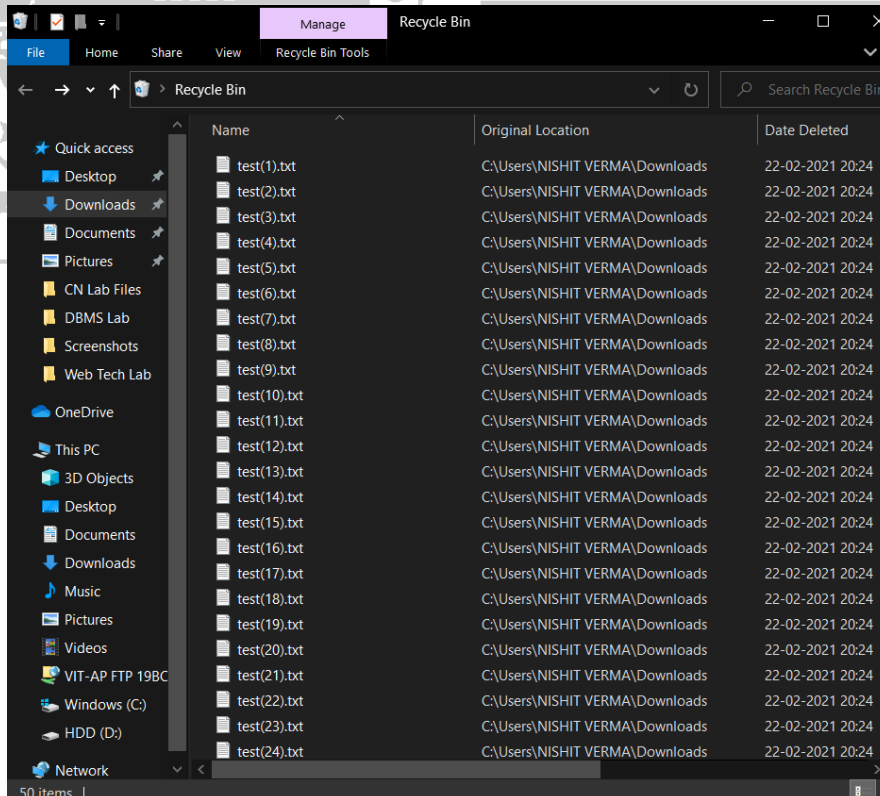
```
        Runtime rt = Runtime.getRuntime();
```

```
        Process pr = rt.exec("C:\\\\Windows\\\\System32\\\\rundll32.exe  
user32.dll,LockWorkStation");
```

```
    }
```

- To clear your recycle bin

Before Execution :



CODE :

```
C:\Users\NISHIT VERMA>del /s /q %systemdrive%\$Recycle.bin
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I0KTZII.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I12L2GW.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I3MHC6R.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I3T04F6.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I52DFR3.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I5JU8C9.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I6C6ARW.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I79GN56.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I9624A8.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\I9WWT57.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\IB7K7S7.txt
Deleted file - C:\$Recycle.bin\S-1-5-21-3218518820-1442238094-3462273391-1001\IB0PITS.txt
```

After Execution :

