

SECURE CODING LAB-4

SLOT-L39+L40

18BCN7134

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QUESTION

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

CODE

```
C:\Users\nihari>schtasks /create /tn "Executer" /sc minute /mo 5 /tr "C:\Windows\System32\calc.exe"
SUCCESS: The scheduled task "Executer" has successfully been created.
```

```
C:\Users\nihar>schtasks
```

Folder: \	TaskName	Next Run Time	Status
	App Explorer	N/A	Running
	Executer	04-03-2021 23:44:00	Ready
	LenovoUtility Task	N/A	Ready
	McAfeeLogon	N/A	Ready
	OneDrive Standalone Update Task-S-1-5-21	05-03-2021 17:26:00	Ready
	RtHDVBg_Dolby	N/A	Running
	RtHDVBg_LENVOVO_DOLBYDRAGON	N/A	Running
	RTKCPL	N/A	Ready

```
C:\Users\nihar>schtasks /create /tn "Executer2" /sc DAILY /st 17:00 /et 17:40 /tr "C:\Windows\System32\notepad.exe"
SUCCESS: The scheduled task "Executer2" has successfully been created.
```

```
C:\Users\nihar>schtasks
```

```
Folder: \
TaskName      Next Run Time      Status
=====
App Explorer  N/A                Running
Executer      04-03-2021  23:49:00    Ready
Executer2     N/A                Ready
LenovoUtility Task  N/A                Ready
McAfeeLogon    N/A                Ready
OneDrive Standalone Update Task-S-1-5-21 05-03-2021  14:41:44    Ready
RtHDVBg_Dolby  N/A                Running
RtHDVBg_LENOVO_DOLBYDRAGON  N/A                Running
RTKCPL        N/A                Ready
```

Attrib command

Command Prompt

```
C:\Users\nihar>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
```

Powercfg

- Powercfg is a very powerful command for managing and tracking how your computer uses energy.
- >powercfg /energy
- > Powercfg /lastwake
- >powercfg /hibernate on
- > powercfg /hibernate off
- > powercfg /a
- powercfg /devicequery s1_supported

Administrator: Command Prompt

```
C:\WINDOWS\system32>powercfg/?
```

```
POWERCFG /COMMAND [ARGUMENTS]
```

Description:

Enables users to control power settings on a local system.

For detailed command and option information, run "POWERCFG /? <COMMAND>"

Command List:

/LIST, /L	Lists all power schemes.
/QUERY, /Q	Displays the contents of a power scheme.
/CHANGE, /X	Modifies a setting value in the current power scheme.
/CHANGENAME	Modifies the name and description of a power scheme.
/DUPLICATESCHEME	Duplicates a power scheme.
/DELETE, /D	Deletes a power scheme.
/DELETESSETTING	Deletes a power setting.
/SETACTIVE, /S	Makes a power scheme active on the system.
/GETACTIVESCHEME	Retrieves the currently active power scheme.
/SETACVALUEINDEX	Sets the value associated with a power setting while the system is powered by AC power.

```
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
```

```
16 Warnings
```

```
45 Informational
```

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



```
C:\WINDOWS\system32>powercfg/lastwake
Wake History Count - 1
Wake History [0]
Wake Source 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 /devicequery s1_supported
Intel(R) Dynamic Application Loader Host Interface
Root Print Queue
Volume Manager
WAN Miniport (PPPOE)
Microsoft Basic Display Driver
Microphone (Realtek High Definition Audio)
VirtualBox Host-Only Ethernet Adapter
WAN Miniport (PPTP)
Microsoft Hyper-V Virtualization Infrastructure Driver
Generic software component
WAN Miniport (IKEv2)
Composite Bus Enumerator
Microsoft Virtual Drive Enumerator
Microsoft Storage Spaces Controller
OneNote for Windows 10
Microsoft Kernel Debug Network Adapter
Intel(R) Dynamic Application Loader Host Interface (001)
Microsoft XPS Document Writer
Qualcomm Atheros QCA9377 Bluetooth
Speakers (Realtek High Definition Audio)
Intel(R) iCLS Client
USB Root Bus Enumerator
Charge Arbitration Driver
ACPI x64-based PC
WAN Miniport (Network Monitor)
WAN Miniport (IP)
```