

## Secure Coding Lab - 4

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Reg.No: 19BCN7005

Slot: L23+24

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Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS 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
7 Warnings
49 Informational

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

See C:\Windows\System32\energy-report.html for more details.

PS 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.
/DELETESETTING	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.
/SETDCVALUEINDEX	Sets the value associated with a power setting while the system is powered by DC power.
/IMPORT	Imports all power settings from a file.
/EXPORT	Exports a power scheme to a file.
/ALIASES	Displays all aliases and their corresponding GUIDs.
/GETSECURITYDESCRIPTOR	Gets a security descriptor associated with a specified power setting, power scheme, or action.
/SETSECURITYDESCRIPTOR	Sets a security descriptor associated with a power setting, power scheme, or action.

/HIBERNATE, /H	Enables and disables the hibernate feature.
/AVAILABLESLEEPSTATES, /A	Reports the sleep states available on the system.
/DEVICEQUERY	Returns a list of devices that meet specified criteria.
/DEVICEENABLEWAKE	Enables a device to wake the system from a sleep state.
/DEVICEDISABLEWAKE	Disables a device from waking the system from a sleep state.
/LASTWAKE	Reports information about what woke the system from the last sleep transition.
/WAKETIMERS	Enumerates active wake timers.
/REQUESTS	Enumerates application and driver Power Requests.
/REQUESTSOVERRIDE	Sets a Power Request override for a particular Process, Service, or Driver.
/ENERGY	Analyzes the system for common energy-efficiency and battery life problems.
/BATTERYREPORT	Generates a report of battery usage.
/SLEEPSTUDY	Generates a diagnostic system power transition report.
/SRUMUTIL	Dumps Energy Estimation data from System Resource Usage Monitor (SRUM).
/SYSTEMSLEEPDIAGNOSTICS	Generates a diagnostic report of system sleep transitions.
/SYSTEMPOWERREPORT	Generates a diagnostic system power transition report.
/POWERTHROTTLING	Control power throttling for an application.

```
PS C:\Windows\system32> powercfg lastwake
Wake History Count - 0
```

```

PS C:\Windows\system32> powercfg lastwake
Wake History Count - 0
PS C:\Windows\system32> 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

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```

PS C:\Users\bchar\Downloads> attrib +h +r +s /s /d .\19bcn7005_L55+56_dbmslab-9.pdf
PS C:\Users\bchar\Downloads> dir

```

Directory: C:\Users\bchar\Downloads

Mode	LastWriteTime	Length	Name
d----	21-05-2021 15:16		dogs-vs-cats
d----	21-12-2020 14:28		ECE2001(2-1)
d----	08-11-2020 09:20		emu8086v408
d----	21-11-2020 13:00		glut-3.7.6-bin
d----	13-11-2020 12:21		lab3oops
d----	19-12-2020 17:53		oops(2-1)
d----	18-02-2021 20:47		OracleXE112_Win64
d----	05-06-2021 02:19		python-3.9.5-embed-amd64
d----	08-11-2020 10:36		Sublime Text Build 3211 x64
d----	11-12-2020 13:37		_Getintopc.com_Wondershare_Filmora_9.5.0.20x64_Multilingual
d----	21-05-2021 01:10		_temp_matlab_R2021a_win64
-a----	29-11-2020 12:14	4855399	01-CG_CAT1_intro-Module 1 (1).pdf
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-a----	03-03-2021 22:22	365867	10th grade sheet.pdf
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