Mr. Gluck Lab

Mastering The PowerShell Help System

The goal of this lab is to help you become familiar with the use of the PowerShell help system. Remember that the built-in help system is your best method of learning what tasks you can perform with PowerShell cmdlets.

Perform the tasks that are listed below. Items that are in bold italics are clues to help you build the correct HELP command.

Each of your answers should show the Get-Help cmdlet that will help you discover information about other commands and the actual command you would use to accomplish the task. You should try the commands you discover to make sure that they do what is asked.

1. First, make sure that you have updated and installed the full help system on PowerShell 7.x
2. What is the HELP command can you use to find that will convert other cmdlets’ output into ***HTML***?

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1. What cmdlets can be used to redirect output to a ***file*** or ***printer***

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1. How would you find all the cmdlets’ that can be used to work with Window’s ***processes*** (remember that all cmdlets use a singular noun)?

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1. What cmdlet might you use to ***write*** a message to an event log?

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1. Aliases are nicknames for cmdlets. What cmdlets are available to create, modify, export or import ***aliases***.

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1. Is there a way to keep a ***transcript*** of everything you type into the shell and then save the transcript to a text file?

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1. If you try and retrieve all the entries from the Windows Security ***Event*** log, it can take a lot of time. How can you get only the 100 most recent entries?

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1. Is there a way to retrieve the list of ***services*** that are installed on a remote computer?

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1. Is there a way to see what ***processes*** are running on a remote computer?

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1. Examine the output from the Out-File cmdlet. The files created by this cmdlet default to a width of how many characters?

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Is there a parameter that would enable you to change that width?

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1. By default, out-file will overwrite any existing file that has the same filename as what you specify. Is there a parameter that will prevent this cmdlet from overwriting an existing file?

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1. How could you see the list of all ***aliases*** defined in PowerShell?

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