**PowerShell Basics**

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Please type your answers in **red** and submit this Word Document.

1. Open the online help for the get-alias command.

a. What parameters are available for this command?

1a: -Definition, -Exclude, -Name, -Scope

b. Which of these parameters are positional parameters?

1b: -Name (Position 0)

c. What scopes can aliases have?

1c: Global, Local, or Script

d. What can I look at to learn more information about alias scopes?

1d: about\_Scopes: https://docs.microsoft.com/en-us/powershell/module/microsoft.powershell.core/about/about\_scopes?view=powershell-5.1

2. Open the online help for the set-alias command.

a. What parameters are available for this command?

2a: -Confirm, Description, -Force, -Name, -Option, -PassThru, -Scope, -Value, WhatIf

b. Which of these parameters are positional parameters?

2b: -Name, -Value

c. What is the command to create a new alias called gs that refers to "get-service":

c1) Using named parameters?

2c1: Set-Alias -Name gs -Value Get-Service

c2) Using positional parameters?

2c2: set-alias gs get-service

3. Run get-command.

a. What is the sort order for the output of this command?

3a: CommandType then Name

b. What Command Types appear in the output?

3b: Alias, Function, Cmdlet

c. What is displayed by the Source property?

3c: if the command is provided from Microsoft or a 3rd party

4. Open the online help for the get-date command.

Get-help get-date -online

a. What type of object does this command use?

4a: a DateTime object

b. What Microsoft .NET Framework formats does this command support?

4b: FileDate, FileDateUniversal, FileDateTime, and FileDateTimeUniversal

c. What does the UFormat parameter do?

4c: Displays the date and time in UNIX format. UFormat outputs a string object

5. Run the command: get-date | select-object \*

a. What date properties are available?

5a: DateTime, Date, Day, DayOfWeek, DayOfYear, Month, Year

b. What time properties are available?

5b: Hour, Kind, Millisecond, Minute, Second, Ticks, TimeOfDay

6. Run the command: get-date | get-member

a. What Member Types are listed in the output?

6a: Method, NoteProperty, Property, ScriptProperty

b. What "DateString" and "TimeString" methods are listed?

6b: ToLongDateString, ToShortDateString, and ToLongTimeString, ToShortTimeString

c. What "Add" methods are available (Note: We will learn to use these later)?

6c: Add, AddDays, AddHours, AddMilliseconds, AddMinutes, AddMonths, AddSeconds, AddTicks, AddYears

7. Run the following commands:

a. get-service Spooler | stop-service -Whatif

What is the output?

7a: What if: Performing the operation “Stop-Service” on target “Print Spooler (Spooler)”.

This tells you what the command would do if run

b. get-service Spooler | stop-service -Confirm

What options does this command give (Note: Be sure to select no)?

7b: Y - Yes, A – Yes to All, N - No, L – No to All, S - Suspend ? - Help (default is “Y”):

this gives the option to confirm if you stop the spooling service, as opposed to simply stopping the service

8. Which version of PowerShell is running on your system?

8: I have 7.2.1, and 5.1.19041.1320 - I will use 5.1 for this course