Jeffrey Walley

Comparison Exercise

-------------------

1. Look up the help for comparison operators.

a. What is the requirement when using the -eq operator?

The entire pattern must match in order to return a value of True

b. What data types should you use with -gt, -ge, -lt, and -le?

Numbers or Numerical Value (int and double)

c. How are -like and -notlike different than -eq and -neq? -like and -not like you can use with \* (wildcard characters)

2. Consider the following commands.

Get-ChildItem | Where {$\_.mode -ne "d"}

Get-ChildItem | Where {$\_.mode -notlike "d\*"}

a. What problem does the first command have?

The not equal is looking for ‘d’ exactly and ‘d-----’ is not the same

b. How does the second command correct this problem?

We can use the \* wildcard operator and let the search know there can be characters after the ‘d’ character

c. What is the output of the second command?

Mode LastWriteTime Length Name

---- ------------- ------ ----

-a---- 2/3/2022 10:07 AM 53 .git-for-windows-updater

-a---- 2/2/2022 10:07 AM 196 .gitconfig

-a---- 8/22/2021 7:56 PM 2104 .h2.server.properties

-a---- 8/10/2021 12:32 PM 20 .lesshst

-a---- 7/13/2021 11:01 AM 7 .node\_repl\_history

-a---- 1/18/2021 2:28 PM 47 .npmrc

-a---- 2/23/2022 11:24 AM 91 .wakatime-internal.cfg

-a---- 3/22/2022 4:09 PM 32768 .wakatime.bdb

-a---- 1/20/2022 11:51 PM 58 .wakatime.cfg

-a---- 1/28/2022 9:39 PM 8898 .wakatime.log

-a---- 8/21/2021 10:55 PM 16384 blogPost\_db.mv.db

-a---- 8/12/2021 8:25 AM 20480 demodata.mv.db

-a---- 1/17/2021 10:16 PM 0 \_netrc

3. Go to the C:\Windows\System32 directory.

Using the where-object command, what is the command to display the files with the .exe extension?

get-childitem | where-object {$\_.Name -Like "\*.exe"}

4. In the Registry, what is the command to display all of the sub-keys of HKCU:\Software:

a. Where the SubKeyCount is greater than 1?

get-childitem -path HKCU:\Software | where-object {$\_.SubKeyCount -gt 1}

b. Repeat a and display the name and subkeycount?

get-childitem -path HKCU:\Software | where-object {$\_.SubKeyCount -gt 1}

| select Name,SubKeyCount

c. What is the largest sub-key count? Which sub-key is it?

719, Software\Classes

5. What is the command to display all of the services that are running and begin with the letter b?

Get-service | where {$\_.Status -eq “Running” -and $\_.Name -like “b\*”}