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Powershell HW3

Answer the following questions and post the answers to Blackboard:

1. Described what is returned by each of the following commands:

\*Each command returns the environment variable items contained in two columns NAME and VALUE:

a. Get-Item env:\username

Returns the item NAME called username along with the VALUE of the system’s username of the current account that is logged in

Ex: NAME: VALUE

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USERNAME millm\_000

b. Get-Item env:\Computername

Returns the item NAME called computername along with the VALUE of the system’s name

Ex: NAME: VALUE

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COMPUTERNAME MILLMARC92

c. Get-ChildItem env:\userprofile

Returns the item NAME called userprofile along with the VALUE of the path to system’s profile that is currently logged on

Ex: NAME: VALUE

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USERPROFILE C:\Users\millm\_000

2. How would you change the commands in #1 to return only the value (look at the help information)?

a. (Get-Item env:\username).value

b. (Get-Item env:\Computername).value

c. (Get-ChildItem env:\userprofile).value

3. How can you get the current date and time from the system within Powershell?

a. Get-Date

4. Describe the result of Get-WmiObject -Class for each of the following classes (see here or the help information for Get-WmiObject syntax).

a. Win32\_ComputerSystem

Displays the Window’s system info, including the Domain, computer manufacturer, Computer model and the user name of the current account logged on.

b. Win32\_BootConfiguration

Display info about the Boot directory and its configuration files

c. Win32\_BIOS

Displays details of the BIOS, including the version, manufacturer, and serial number

d. Win32\_OperatingSystem

Displays information about the operating system, including the directory which contains it’s system files, the registered user account, the OS serial number, and the system version

e. Win32\_TimeZone

Displays information on the current timezone setting

f. Win32\_LogicalDisk

Displays info all of the storage spaces on the system.

f.1. Add “-Filter DriveType=3”

Displays info only on storage of the C: drive

g. Win32\_Processor

Displays info about the system’s processor, including manufacturer and speed

h. Win32\_PhysicalMemory

Retrieves information about the Random Access Memoy(RAM), the physical memory.

i. Win32\_Product

Displays all Windows installer-based applications along with it’s product information, including name, vendor, Version, and caption