

# The Language of PowerShell Lab Questions

## Command Syntax

In this lecture I'm going to ask you some questions from the Command Syntax Section.

We're going to take a look at the command syntax from get-service

Fill in the blank

**Question #1** Question 1 is in 6 parts, we'll start from the left and work to the right

1. Every cmdlet is based upon the same **structure**. A name for this **structure** is? \_\_\_\_\_
2. A dash tells PowerShell that a \_\_\_\_\_ is being used
3. Two angle brackets tells me that this a \_\_\_\_\_
4. The word string is located between two angle brackets, a string is called a \_\_\_\_\_.
5. When you see two square brackets surrounded by two angle brackets this tells you that this is a \_\_\_\_\_
6. These three groups are called \_\_\_\_\_

**Question #2** This question is in three parts

1. **Take a look at the parameter sets from get-service.** Can you tell me which parameters are **unique** in each set?
2. Now tell me what parameters are **common** in each set.
3. **You probably noticed that commonparameters are common to all three sets.**  
**What command would you use to checkout the help for commonparameters?**

**Question #3**

From the ISE, type **get-service**, then press return. You see the command **ran**.

Type **get-help get-service -full**. Press return.

Now explain using the syntax why get-service **ran** without using any parameters.

#### **Question #4**

From the ISE, type `get-eventlog` then press return. Notice that `get-eventlog` is asking for the name of one of the logfiles.

Press `ctrl-c`

Now type `get-help get-eventlog -full`.

**Using the syntax, explain why `get-eventlog` requires typing a value or a logname, while `get-service` ran without a value or even a parameter.**

#### **Question #5 (CS #2) Goal:**

Using `help get-eventlog -showwindow`. Take a look at the parameter `-instanceID`.

- Explain why `-instanceID` should be second in the order of parameters?

#### **Question #6 (CS #2) Goal:**

Let's scroll down to `-Newest`.

- Why can you place `-newest` anywhere in the order of parameters?