**Creating a function: Guided Exercise**

In this exercise, you will explore the use of the *Get-Verb* cmdlet to find permissible Windows PowerShell verbs. You will also use *Function* keyword and create a function. After you have created the basic function, you will add additional functionality to the function in the next exercise.

**Creating a basic function**

**1.** Start the Windows PowerShell ISE.

**2.** Use the *Get-Verb* cmdlet to obtain a listing of approved verbs.

**3.** Select a verb that would be appropriate for a function that obtains a listing of files by date last modified. In this case, the appropriate verb is *Get*.

**4.** Create a new function named *Get-FilesByDate*.

**5.** Add four command-line parameters to the function. The first parameter is an array of file types, the second is for the month, the third parameter is for the year, and the last parameter is an array of file paths.

**6.** Following the *Param* portion of the function, add the code to perform a recursive search of paths supplied via the *$path* variable. Limit the search to include only file types supplied via the *$filetypes* variable.

**7.** Add a *Where-Object* clause to limit the files returned to the month of the *lastwritetime* property that equals the month supplied via the command line, and the year supplied via the command line.

**8.** Save the function in a .ps1 file named Get-FilesByDate.ps1.

**9.** Run the script containing the function inside the Windows PowerShell ISE.

**10.** In the command pane, call the function and supply appropriate parameters for the function.

This concludes this step-by-step exercise.

**Screen Shot your results and upload to Canvas.**