**Pipeline in Windows PowerShell**

First – What is a Pipeline?

And a simple answer is it’s a series of commands where the output of one becomes the input of the next.

A Pipeline is represented by “| “.

E.g.

Get-Content ‘filename’ | Measure-Object –line –word

In the give context Content of file is used by measure object to count number of words and lines.

An object-based pipeline opens up enormous possibilities, making system administration both immensely simpler and more powerful.

Now Let’s Perform Some Sorting and Listing with Pipeline

Group is a property that can be used to group data.

OPTIONS:

1. –AsHashTable [Column] : It Creates an hash of the prior list with the help of pipeline.

E.g.

Get-Process | Group –AsHashTable ID

NOTE: Objects are more agile while working on them with different operation hence we should use “Group-Object” instead of “group”.

1. –AsString: It Groups and shows only the string they are assigned to. Simply Hashtable will print Class Name too. -AsString parameter convert all of the values to their string equivalents

E.g.

Get-Process | group –AsHashTalbe –AsString ID

Using Compare-Property with “Where-Object”

Compare the property you provide against the input supplied to the script. This provides the functionality of simple Where-Object comparisons without the syntax required for that cmdlet.

E.g.

Get-Process | Compare-Property Handles gt 1000