Chapter 6 Lab

1. Create two similar, but different, text files. Try comparing them using Diff. To do so, run something like this: Diff -reference (Get-Content File1.txt) -difference (Get-Content File2.txt). If the files have only one line of text that’s different, the command should work.   
     
   PS C:\> "I am the walrus" | out-file file1.txt  
   PS C:\> "I'm a believer" | out-file file2.txt  
   PS C:\> $f1=get-content .\file1.txt  
   PS C:\> $f2=Get-Content .\file2.txt  
   [quark]: PS C:\> diff $f1 $f2  
     
   InputObject SideIndicator  
   ----------- -------------  
   I'm a believer =>  
   I am the walrus <=
2. What happens if you run Get-Service | Export-CSV services.csv | Out-File from the console? Why does that happen?  
     
   If you don’t specify a file name with Out-File you’ll get an error. But even if you do Out-File won’t really do anything because the file is actually created by Export-CSV.
3. Apart from getting one or more services and piping them to Stop-Service, what other means does Stop-Service provide for you to specify the service or services you want to stop? Is it possible to stop a service without using Get-Service at all?  
     
   Stop-Service can accept one or more service names as a parameter values for the –Name parameter. For example, you could run:  
   Stop-Service spooler
4. What if you wanted to create a pipe-delimited file instead of a comma-separated file? You would still use the Export-CSV command, but what parameters would you specify?  
     
   get-service | Export-Csv services.csv -Delimiter "|"
5. Is there a way to eliminate the # comment line from the top of an exported CSV file? That line normally contains type information, but what if you wanted to omit that from a particular file?
6. Export-CliXML and Export-CSV both modify the system, because they can create and overwrite files. What parameter would prevent them from overwriting an existing file? What parameter would ask you if you were sure before proceeding to write the output file?  
     
   get-service | Export-Csv services.csv –noclobber  
   get-service | Export-Csv services.csv -confirm
7. Windows maintains several regional settings, which include a default list separator. On U.S. systems, that separator is a comma. How can you tell Export-CSV to use the system’s default separator, rather than a comma?  
     
   get-service | Export-Csv services.csv -UseCulture