Useful Commands				
Update-Help	Downloads and installs newest help files			
Get-Help	Displays information about commands and concepts			
Get-Command	Gets all commands			
Get-Member	Gets the properties and methods of objects			
Get-Module	Gets the modules that have been imported or that can be imported into the current session			
Get-Service	Gets the services on a local or remote computer			
Get-Process	Gets the processes that are running on the local computer or a remote computer			

Flow Control
If(){ } Elseif(){ } Else{ }
while() { }
For(\$i=0; \$i -lt 10; \$i++) { }
Foreach(\$file in dir C:\) {\$file.name}
110 foreach{\$_}

110 foreacn{\$_}				
Importing, Exporting, Converting				
Export-CliXML	Import-CliXML			
ConvertTo-XML	ConvertTo-HTML			
Export-CSV	Import-CSV			
ConvertTo-CSV	ConvertFrom-CSV			

Assignment, Logical, Comparison Operators					
+=, -=, ×=, ÷=, %=, + +,, =	Assigns one or more values to a variable				
-and,-or,-not,-xor,!	Connect expressions / statements				
-eq, -ne	Equal, not equal				
-gt, -ge	, -ge Greater than, greater than or equa				
-lt, -le	Less than, less than or equal				
replace "Hi" -replace "H", "P"					
-match,-notmatch					
-like,-notlike					
-contains,-notcontains	contains,-notcontains Check if value in array				
-in, -notin Reverse of contains,notcontains					
Case-Sensitive Comparison					
-ceq, -cne, -clike, -cnotlike, -cnotmatch, -ccontains, -cnotcontains					
Case-Insensitive Comparison					
-ieq, -ine, -ilike, -inotlike, -inotmatch, -icontains, -inotcontains					
Setting Security Policy					

View and change execution policy with Get-Execution and Set-Execution policy:

- Restricted - AllSigned - RemoteSigned - Unrestricted

Get-Executionpolicy

Set-Executionpolicy

Format-Table			Cd,chdir,sl		Set-Location	
Get-Command			Cls,clear		Clear-Host	
Part of Cmdlets						
Get-EventLog		Get-WinEvent		Get-Date		
New-Item		Set-Item		Move-Item		
Copy-Item		Remove-Item		Compare-Object		
Get-Content		Set-Content		Add-Content		
Start-Sleep		Start-Job		Get-CimInstance		
ı	Test-Conne		ction N		New-PSSession	
Test-Path Split-Path			Get-History		-History	
	Get-ADCon		puter No		w-ISESnippet	
Get-WMIObject Out-File			Out-String		:-String	
	Get-C	Get-Command Part of Get-WinEv Set-Item Remove-It Set-Conter Start-Job I Test-Conner Split-Path Get-ADCo	Get-Command Part of Command Get-WinEver Set-Item Remove-Iter Set-Content Start-Job I Test-Connect Split-Path Get-ADCom	Part of Cmdlets Get-WinEvent Set-Item Remove-Item Set-Content Start-Job I Test-Connection Split-Path Get-ADComputer	Part of Cmdlets Get-WinEvent Get Set-Item More Remove-Item Content Start-Job Get I Test-Connection New Split-Path Get Get-ADComputer New	

Aliases for Common commands

Get-Command

Foreach-Object

Sort-Object

Diff,compare Compare-Object

Where-Object

Get-ChildItem

Get-Item

Copy-Item

Move-Item

Remove-Item

Rename-Item

Gcm

Sort

Foreach,%

Where,?

Dir, Is, gci

Copy,cp,cpi

Move,mv,mi

Del,rm

Rni,ren

FI

Gcim

Sc

r,lhy

Gp

Sp

Gm

Sls

Pwd,gl

Cat,gc,type

Format-List

Get-Content

Set-Content

Invoke-History

Get-ItemProperty

Set-ItemProperty

Get-Location

Get-Member

Select-String

h,history,ghy Get-History

Get-CimInstance

\$arr = "a", "b"		Array of strings			
\$arr = @()		Empty array			
\$arr[5]		Sixth array element			
\$arr[-31]		Last three array elements			
\$arr[1,4+69]		Elements at index 1,4, 6-9			
\$arr[1] += 200		Add to array item value			
\$z = \$arA + \$arB		Two arrays into single array			
[pscustomobject]@{x=1;z=2}		Create custom object			
(Get-Date).Date		Date property of object			
Comments, Escape Characters					
#, <##>	Comment, Multiline Comment				
"`"test`""	Escape cha	ar`			
`t	Tab				
`n New line					
` Line contin		ue			
&	The call op	erator, "invocation operator"			
Common Automatic Variables					
\$\$	Last token of the previous command line				
\$?	Boolean status of last command				
\$^	First token of the previous command line				
\$_, \$PSItem	Current pipeline object				
\$profile	The standard profile (may not be present)				
• •		Details about the version of PowerShell			

Arrays, Objects