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**Assignment:- Make a document for all cmdlet commands with their usage**

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| Cmdlet | Purpose | Basic Usage | Example |
| Get-Command | Discover available commands | Get-Command | Get-Command \*-Process — lists all cmdlets ending with “-Process” |
| Get-Help | Show help documentation | Get-Help <Cmdlet> | Get-Help Get-Command -Examples — shows usage examples |
| Get-Verb | List standard verbs used in cmdlets | Get-Verb |  |
| Get-Member | Explore object properties and methods | <Cmdlet> | Get-Member | `Get-Process |
| Get-Process | Retrieve current running processes | Get-Process | Get-Process -Name notepad |
| Get-Service | Display status of Windows services | Get-Service | Get-Service -Name "Print Spooler" |
| Get-EventLog | Read Windows event logs | Get-EventLog | Get-EventLog -LogName Application -After (Get-Date).AddDays(-1) |
| Set-ExecutionPolicy | Modify PowerShell script execution policy | Set-ExecutionPolicy -ExecutionPolicy <Policy> | Set-ExecutionPolicy -ExecutionPolicy RemoteSigned |
| Test-Connection | Check network connectivity (ping) | Test-Connection -ComputerName <Name> | Test-Connection -ComputerName google.com |
| Out-File | Send output to a file | <Cmdlet> | Out-File <Path> | N/A |
| Format-Table (ft) | Format objects in table form | <Cmdlet> | Format-Table | N/A |
| Format-List (fl) | Format objects as list | <Cmdlet> | Format-List | N/A |
| Copy-Item | Copy files or folders | Copy-Item <Source> -Destination <Dest> | N/A |
| Clear-Content | Remove content from a file/item | Clear-Content <Path> | N/A |
| Where-Object | Filter objects based on property criteria | <Cmdlet> | Where-Object { condition } | N/A |
| ConvertTo-HTML | Convert objects to HTML | <Cmdlet> | ConvertTo-Html > <Path> | `Get-Command |
| ConvertTo-Xml | Convert objects to XML | <Cmdlet> | ConvertTo-Xml | `Get-Date |
| Get-Module -All | List all imported modules | Get-Module -All | N/A |

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| Cmdlet | Purpose | Example Usage |
| Get-ChildItem | List files and directories from a path | Get-ChildItem -Path C:\folder -File — lists only files |
| Set-Location (cd) | Change the working directory | Set-Location C:\scripts or cd C:\scripts |
| Get-Content (cat) | Read and return file content | Get-Content C:\log.txt |
| Copy-Item (cp) | Copy files or folders | Copy-Item C:\source\file.txt -Destination C:\dest or -Recurse for folders |
| Move-Item (mv) | Move or rename files/folders | Move-Item C:\old\file.txt -Destination C:\new\file2.txt |
| Remove-Item (rm, del) | Delete files or folders | Remove-Item C:\temp\\* -Recurse |
| Get-Location (pwd) | Show current directory | Get-Location or pwd |
| Invoke-WebRequest (iwr, curl) | Retrieve web content | Invoke-WebRequest https://example.com |
| Get-History | Show command history of current session | Get-History -Count 10 |
| Clear-History | Delete command history entries | Clear-History -Command \*help\* |
| Add-History | Add commands into the history list | Add-History -Command "Get-Process" |
| Compare-Object | Compare two object sets (differences) | Compare-Object $listA $listB |
| Export-Csv | Export objects to a CSV file | `Get-Process |
| Select-String (grep) | Search for text in files | Select-String -Path \*.log -Pattern "Error" |
| Measure-Command | Measure execution duration of a script or cmdlet | Measure-Command { Get-Process } |
| Compress-Archive / Expand-Archive | Zip or unzip files | Compress-Archive -Path .\files\\* -DestinationPath archive.zip |
| New-Item (ni) | Create new files or directories | New-Item -Path C:\temp\myfile.txt -ItemType File ([StationX](https://www.stationx.net/powershell-cheat-sheet/?utm_source=chatgpt.com" \o "The Most Helpful PowerShell Cheat Sheet You'll Ever Find - StationX)) |
| Write-Host / Write-Output (echo) | Output text to console or pipeline | Write-Host "Done" or Write-Output "Data" ([StationX](https://www.stationx.net/powershell-cheat-sheet/?utm_source=chatgpt.com" \o "The Most Helpful PowerShell Cheat Sheet You'll Ever Find - StationX)) |
| Clear-Host (cls) | Clear the console screen | Clear-Host or cls ([Microsoft for Developers](https://devblogs.microsoft.com/scripting/table-of-basic-powershell-commands/?utm_source=chatgpt.com), [StationX](https://www.stationx.net/powershell-cheat-sheet/?utm_source=chatgpt.com)) |