Powershell Assignment

Gc $profile

```
PS D:\divesh> gc $profile
Write-Host "Hello, World!"
PS D:\divesh> _
```

get-module

```
        get-module
>> D:\divesh>

ModuleType Version    Name                           ExportedCommands
---------- -------    ----                           ----------------
Binary     1.0.0.0    CimCmdlets                     {Export-BinaryMiLog, Get-CimAssociatedInstance, Get-CimClass, Get-CimInstance...}
Manifest   3.1.0.0    Microsoft.PowerShell.Management {Add-Computer, Add-Content, Checkpoint-Computer, Clear-Content...}
Manifest   3.0.0.0    Microsoft.PowerShell.Security  {ConvertFrom-SecureString, ConvertTo-SecureString, Get-Acl, Get-AuthenticodeSignature...}
Manifest   3.1.0.0    Microsoft.PowerShell.Utility   {Add-Member, Add-Type, Clear-Variable, Compare-Object...}
Script     2.0.0      PSReadLine                     {Get-PSReadLineKeyHandler, Get-PSReadLineOption, Remove-PSReadLineKeyHandler, Set-PSReadLineKeyHandler...}
```

get-command -module yourmodulename

```
PS D:\divesh> get-command -module CimCmdlets
>>

CommandType     Name                           Version    Source
-----------     ----                           -------    ------
Cmdlet          Export-BinaryMiLog             1.0.0.0    CimCmdlets
Cmdlet          Get-CimAssociatedInstance      1.0.0.0    CimCmdlets
Cmdlet          Get-CimClass                   1.0.0.0    CimCmdlets
Cmdlet          Get-CimInstance                1.0.0.0    CimCmdlets
Cmdlet          Get-CimSession                 1.0.0.0    CimCmdlets
Cmdlet          Import-BinaryMiLog             1.0.0.0    CimCmdlets
Cmdlet          Invoke-CimMethod               1.0.0.0    CimCmdlets
Cmdlet          New-CimInstance                1.0.0.0    CimCmdlets
Cmdlet          New-CimSession                 1.0.0.0    CimCmdlets
Cmdlet          New-CimSessionOption           1.0.0.0    CimCmdlets
Cmdlet          Register-CimIndicationEvent    1.0.0.0    CimCmdlets
Cmdlet          Remove-CimInstance             1.0.0.0    CimCmdlets
Cmdlet          Remove-CimSession              1.0.0.0    CimCmdlets
Cmdlet          Set-CimInstance                1.0.0.0    CimCmdlets
```

systemreport

```
Administrator: Windows PowerShell
    + FullyQualifiedErrorId : CommandNotFoundException

PS D:\divesh> .\systemreport.ps1

Name                                         Manufacturer MaxClockSpeed
----                                         ------------ -------------
AMD Ryzen 5 4600H with Radeon Graphics       AuthenticAMD          3000
```

systemreport -system

```
PS D:\divesh> .\systemreport.ps1 -system

Name                                         Manufacturer MaxClockSpeed
----                                         ------------ -------------
AMD Ryzen 5 4600H with Radeon Graphics       AuthenticAMD          3000
```

Systemreport -disks

```
PS D:\divesh> .\systemreport.ps1 -disks

DeviceID          Model                              Size
--------          -----                              ----
\\.\PHYSICALDRIVE1 WDC PC SN720 SDAPNTW-256G-1006   256052966400
\\.\PHYSICALDRIVE0 WDC WD10SPSX-60A6WT0             1000202273280
```

Systemreport -network

```
PS D:\divesh> .\systemreport.ps1 -network

Description                      IPAddress
-----------                      ---------
Intel(R) Wi-Fi 6 AX200 160MHz            {10.0.0.184, fe80::d51f:a129:1043:a43d, 2607:fea8:64e6:cb00:3444:ac97:6ffd...
Microsoft Wi-Fi Direct Virtual Adapter #2 {192.168.137.1, fe80::1025:7276:c1f1:3388}
```

```
\\.\PHYSICALDRIVE0 WDC WD10SPSX-60A6WT0          1000202273280

PS D:\divesh> .\systemreport.ps1 -network

Description                              IPAddress
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Intel(R) Wi-Fi 6 AX200 160MHz            {10.0.0.184, fe80::d51f:a129:1043:a43d, 2607:fea8:64e6:cb00:3444:ac97:6ffd...
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Script     2.0.0    PSReadLine                    {Get-PSReadLineKeyHandler, Get-PSReadLineOption, Remove-PSReadLineKeyHandler, Set-PSReadLineKeyHandler...}


PS D:\divesh> get-command -module CimCmdlets
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Cmdlet       Get-CimAssociatedInstance     1.0.0.0  CimCmdlets
Cmdlet       Get-CimClass                  1.0.0.0  CimCmdlets
Cmdlet       Get-CimInstance               1.0.0.0  CimCmdlets
Cmdlet       Get-CimSession                1.0.0.0  CimCmdlets
Cmdlet       Import-BinaryMiLog            1.0.0.0  CimCmdlets
Cmdlet       Invoke-CimMethod              1.0.0.0  CimCmdlets
Cmdlet       New-CimInstance               1.0.0.0  CimCmdlets
Cmdlet       New-CimSession                1.0.0.0  CimCmdlets
Cmdlet       New-CimSessionOption          1.0.0.0  CimCmdlets
Cmdlet       Register-CimIndicationEvent   1.0.0.0  CimCmdlets
Cmdlet       Remove-CimInstance            1.0.0.0  CimCmdlets
Cmdlet       Remove-CimSession             1.0.0.0  CimCmdlets
Cmdlet       Set-CimInstance               1.0.0.0  CimCmdlets


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