

Functions - PowerShell

<https://ss64.com/ps/syntax-functions.html>

<https://docs.microsoft.com/en-us/powershell/scripting/learn/ps101/09-functions?view=powershell-7>

Note: When calling a PS1 script, it is read top-down and functions must be at the TOP.

<https://stackoverflow.com/a/17347721/5079799>

```
function Add-Numbers {  
    $args[0] + $args[1]  
}
```

<ApprovedVerb>-<Prefix><SingularNoun>

```
function Test-DoesFileExistBool {  
    param (  
        [ValidateSet("Tom","Dick","Jane")]  
        [String]  
        $Name  
    )  
    Test-Path $FilePath 2> $null  
}  
$FExistBool = Test-DoesFileExistBool -FilePath $FilePath
```

```
function Compare-IsBoolTrue {  
    param (  
        [string[]]$TFBool  
    )  
    IF ($TFBool -eq "True") {  
        Write-Host "File Found"  
    } ELSE {  
        Write-Host "File NOT Found"  
    }  
}  
Compare-IsBoolTrue -TFBool $FExistBool  
Compare-IsBoolTrue -TFBool TRUE
```

```
function Output-SalesTax {  
    param( [int]$Price, [int]$Tax )  
    $Price + $Tax  
}  
  
#$result = Add-Numbers (5, 10) --Wrong!  
$result = Output-SalesTax 5 10    #--Right  
  
echo $result  
#15
```

Get-Verb | Sort-Object -Property Group

Verb	Group
----	-----
Resize	Common
Reset	Common
Select	Common
Search	Common
Redo	Common
Push	Common
Rename	Common
Remove	Common

Set	Common
Undo	Common
Switch	Common
Watch	Common
Unlock	Common
Skip	Common
Show	Common
Step	Common
Split	Common
Exit	Common
Enter	Common
Format	Common
Find	Common
Clear	Common
Add	Common
Copy	Common
Close	Common
Get	Common
Open	Common
New	Common
Pop	Common
Optimize	Common
Join	Common
Hide	Common
Move	Common
Lock	Common
Read	Communications
Disconnect	Communications
Connect	Communications
Write	Communications
Send	Communications
Receive	Communications
Out	Data
Publish	Data
Merge	Data
Mount	Data
Restore	Data
Unpublish	Data
Update	Data
Save	Data
Sync	Data
Checkpoint	Data
Backup	Data
ConvertTo	Data
Compare	Data
ConvertFrom	Data
Convert	Data
Compress	Data
Dismount	Data
Import	Data
Initialize	Data
Limit	Data
Group	Data
Edit	Data
Expand	Data
Export	Data
Ping	Diagnostic
Measure	Diagnostic
Debug	Diagnostic
Repair	Diagnostic
Trace	Diagnostic
Test	Diagnostic
Resolve	Diagnostic
Uninstall	Lifecycle
Unregister	Lifecycle
Wait	Lifecycle
Suspend	Lifecycle
Disable	Lifecycle
Deny	Lifecycle
Install	Lifecycle
Enable	Lifecycle

Assert	Lifecycle
Approve	Lifecycle
Confirm	Lifecycle
Complete	Lifecycle
Start	Lifecycle
Resume	Lifecycle
Submit	Lifecycle
Stop	Lifecycle
Register	Lifecycle
Invoke	Lifecycle
Restart	Lifecycle
Request	Lifecycle
Use	Other
Unblock	Security
Unprotect	Security
Grant	Security
Block	Security
Protect	Security
Revoke	Security