**Mensaje**

$nombre

$apellido

$mensaje

Write-host "Escribir tu nombre: "

$nombre = Read-Host

Write-host "Escribir tu apellido: "

$apellido = Read-Host

$mensaje = "Hola " + $nombre + " " + $apellido

write-host $mensaje

**Calculadora**

#math

Write-host "Escribe la operación: " -NoNewline

$operacion = Read-Host

$Verificar = 1

For ([Int] $i = 0; $i -lt $operacion.Length; $i++)

{

if(($operacion[$i] -eq '+') -or ($operacion[$i] -eq '-') -or ($operacion[$i] -eq '\*') -or ($operacion[$i] -eq '/') -or ($operacion[$i] -eq '^') -or ($operacion[$i] -eq '!') -or ($operacion.Split("(")[0] -eq 'In'))

{

Switch ($operacion[$i] -or 1)

{

'+'{

[double]$numero1 = $operacion.Split("+")[0]

[double]$numero2 = $operacion.Split("+")[1]

[double]$Resultado = $numero1 + $numero2

}

'-'{

[double]$numero1 = $operacion.Split("-")[0]

[double]$numero2 = $operacion.Split("-")[1]

[double]$Resultado = $numero1 - $numero2

}

'\*'{

[double]$numero1 = $operacion.Split("\*")[0]

[double]$numero2 = $operacion.Split("\*")[1]

[double]$Resultado = $numero1 \* $numero2

}

'/'{

[double]$numero1 = $operacion.Split("/")[0]

[double]$numero2 = $operacion.Split("/")[1]

[double]$Resultado = $numero1 / $numero2

}

'^'{

[Int]$numero1 = $operacion.Split("^")[0]

[Int]$numero2 = $operacion.Split("^")[1]

[Double]$Resultado = 1

For ([Int] $j = 0; $j -lt $numero2; $j++)

{

$Resultado = $Resultado \* $numero1

}

}

'!'{

[Int]$numero = $operacion.Split("!")[0]

[Double]$Resultado = $numero

For ([Int] $j = 0; $j -lt $numero-2; $j++)

{

$Resultado = $Resultado \* ($numero - ($j + 1))

}

}

'1'{

$Resultado = "Se logró la prueba"

}

}

$Verificar = 0

}

}

if($Verificar -eq 0)

{

Write-Host "El resultado es", $Resultado -BackgroundColor DarkGreen

}

else

{

Write-Host "Hubo un error leyendo uno de los numeros o la operación no fue reconocida.

Intentelo nuevamente." -BackgroundColor DarkRed

}

**Manejar Procesos**

do{

$p = Get-process | Select-Object id, name, ws

$m = (Get-WMIObject Win32\_PhysicalMemory | Measure-Object Capacity -Sum).sum

foreach($mp in $p){

if(($mp.ws / $m \* 100) -le 19){

Write-Host $mp.id, " " $mp.name, " " ($mp.WS / 1024000) " MB" -ForegroundColor Green

}

elseif((($mp.ws / $m \* 100) -gt 19) -and (($mp.ws / $m \* 100) -le 44)){

Write-Host $mp.id, " " $mp.name, " " ($mp.WS / 1024000) " MB" -ForegroundColor yellow

}

elseif(($mp.ws / $m \* 100) -gt 45){

Write-Host $mp.id, " " $mp.name, " " ($mp.WS / 1024000) " MB" -ForegroundColor red

}

}

Write-Host "`nDetener Proceso `n`n1.Detener por id`n`n2.Detener por nombre`n`nIngrese numero: " -NoNewline

$eleccion = Read-Host

if($eleccion -eq 1){

Write-Host "`nEscribir el id del proceso a detener : " -NoNewline

$id = Read-Host

$str = Get-Process -Id $id | Select-Object Name

Write-Host "`n¿Quieres detener el proceso", $str.Name, "? | s o n |: " -NoNewline

$opcion = Read-Host

if($opcion -eq 's')

{

$str1 = "Stop-Process -Id " + $id

Invoke-Expression $str1

Write-Host "`nProceso detenido"

}

else

{

Write-Host "`nOperacion cancelada"

}

}

elseif($eleccion -eq 2)

{

Write-Host "`nEscribir el nombre del proceso a detener : " -NoNewline

$nombre = Read-Host

$str = Get-Process -Name $nombre | Select-Object Name

Write-Host "`n¿Quieres detener el proceso", $str.Name, "? | s o n |: " -NoNewline

$opcion = Read-Host

if($opcion -eq 's')

{

$str1 = "Stop-Process -Name " + $nombre

Invoke-Expression $str1

Write-Host "`nProceso detenido"

}

else

{

Write-Host "`nOperacion cancelada"

}

}

Write-Host "`n¿Quieres detener otro proceso? | s o n |: " -NoNewline

$opcion = Read-Host

}while($opcion -eq 's')

**Correo**

for([int]$i = 0; $i -eq 0){

$procesos = Get-process | Select-Object id, name, ws

$verificar = 0

foreach($proceso in $procesos){

if($proceso.name -eq "WINWORD")

{

$EmailPropio = "anthonyde98@gmail.com";

$EmailDestino = "anthonyde98@gmail.com";

$Asunto = "\*AVISO\*"

$Mensaje = "Microsoft Word está abierto."

$ServidorSMTP = "smtp.gmail.com"

$ClienteSMTP = New-Object Net.Mail.SmtpClient($ServidorSMTP, 587)

$ClienteSMTP.EnableSsl = $true

$ClienteSMTP.Credentials = New-Object System.Net.NetworkCredential("anthonyde98@gmail.com", "andepe98");

$ClienteSMTP.Send($EmailPropio, $EmailDestino, $Asunto, $Mensaje)

$verificar = 1

}

}

if($verificar -eq 1){

sleep -s 3600

}

}

**Subir Archivo a la Nube**

Import-module 'C:\Program Files\WindowsPowerShell\Modules\GDrive-Beta\GDrive.psm1'

Add-Type -AssemblyName System.Windows.Forms

Add-Type -AssemblyName System.Drawing

#Connect-GDrive -UserName "anthonyde98@gmail.com" #Iniciando seción en gmail

$Label3 = New-Object System.Windows.Forms.Label

$TextBox1 = New-Object System.Windows.Forms.TextBox

$TextBox2 = New-Object System.Windows.Forms.TextBox

$Button2 = New-Object System.Windows.Forms.Button

$Button3 = New-Object System.Windows.Forms.Button

Function InitWindows(){

$windows = New-Object System.Windows.Forms.Form

$windows.Size = New-Object System.Drawing.Size(500,400)

$windows.MinimumSize = New-Object System.Drawing.Size(500,400)

$windows.MaximumSize = New-Object System.Drawing.Size(500,400)

$windows.MaximizeBox = $false

$windows.Text = 'GDrive'

$windows.StartPosition = 'CenterScreen'

Metodos

$windows.ShowDialog()

}

Function Metodos(){

Label1

Label2

TextBox1

TextBox2

Button1

Button2

Button3

}

Function Label1(){

$Label1 = New-Object System.Windows.Forms.Label

$Label1.Size = New-Object System.Drawing.Size(110,15);

$Label1.Location = New-Object System.Drawing.Point(50,20)

$Label1.Text = 'Dirección de carpeta'

$Label1.BackColor = 'Blue'

$label1.ForeColor = 'White'

$windows.Controls.Add($Label1)

}

Function Label2(){

$Label2 = New-Object System.Windows.Forms.Label

$Label2.Size = New-Object System.Drawing.Size(102,15);

$Label2.Location = New-Object System.Drawing.Point(255,20)

$Label2.Text = 'Nombre de carpeta'

$Label2.BackColor = 'Blue'

$label2.ForeColor = 'White'

$windows.Controls.Add($Label2)

}

Function Label3($Text){

$Label3.Size = New-Object System.Drawing.Size(500,15);

$Label3.Location = New-Object System.Drawing.Point(0,80)

$Label3.Text = $Text

$Label3.BackColor = 'Blue'

$label3.ForeColor = 'White'

$Label3.TextAlign = 2

$windows.Controls.Add($Label3)

}

Function TextBox1(){

$TextBox1.Size = New-Object System.Drawing.Size(200,15)

$TextBox1.Location = New-Object System.Drawing.Point(10,40)

$windows.Controls.Add($TextBox1)

}

Function TextBox2(){

$TextBox2.Size = New-Object System.Drawing.Size(150,15)

$TextBox2.Location = New-Object System.Drawing.Point(230,40)

$windows.Controls.Add($TextBox2)

}

Function Button1(){

$Button1 = New-Object System.Windows.Forms.Button

$Button1.Size = New-Object System.Drawing.Size(45,44)

$Button1.Location = New-Object System.Drawing.Point(385,20)

$Button1.FlatStyle = 0

$Button1.FlatAppearance.BorderSize = 0

$Button1.FlatAppearance.MouseOverBackColor = '#F68CFF'

$Button1.FlatAppearance.MouseDownBackColor = '#F142FF'

$Button1.Image = New-Object System.Drawing.Bitmap('C:\Users\TOSHIBA\Desktop\Informatica\Sistemas Operativos\SO Mio\imagenes\com.ico')

$Button1.Add\_Click({ Button1\_Add\_Click })

$windows.Controls.Add($Button1)

}

Function Button2(){

$Button2.Size = New-Object System.Drawing.Size(45,44)

$Button2.Location = New-Object System.Drawing.Point(430,20)

$Button2.FlatStyle = 0

$Button2.FlatAppearance.BorderSize = 0

$Button2.FlatAppearance.MouseOverBackColor = '#F68CFF'

$Button2.FlatAppearance.MouseDownBackColor = '#F142FF'

$Button2.Image = New-Object System.Drawing.Bitmap('C:\Users\TOSHIBA\Desktop\Informatica\Sistemas Operativos\SO Mio\imagenes\des.ico')

$Button2.Add\_Click({ Button2\_Add\_Click })

$windows.Controls.Add($Button2)

}

Function Button3(){

$Button3.Size = New-Object System.Drawing.Size(200,200)

$Button3.Location = New-Object System.Drawing.Point(140,150)

$Button3.Image = New-Object System.Drawing.Bitmap('C:\Users\TOSHIBA\Desktop\Informatica\Sistemas Operativos\SO Mio\imagenes\nube.ico')

$Button3.FlatStyle = 0

$Button3.FlatAppearance.BorderSize = 0

$Button3.FlatAppearance.MouseOverBackColor = 'Menu'

$Button3.FlatAppearance.MouseDownBackColor = 'Menu'

$Button3.Add\_Click({ Button3\_Add\_Click })

$windows.Controls.Add($Button3)

}

Function Button1\_Add\_Click(){

CD C:\Users\TOSHIBA\Desktop

$Directory = $TextBox1.Text

$NameFile = $TextBox2.Text.Trim()

$FolderGDrive = "Sistemas Operativos"

$FolderPath = "C:\Users\TOSHIBA\Desktop" + "\" + $NameFile + ".zip"

$TextBox1.Text = ""

$TextBox2.Text = ""

try{

if($Directory.Length -gt 0 -and $NameFile.Length -gt 0){

Label3("Comprimiendo...")

Compress-Archive -LiteralPath $Directory -DestinationPath $NameFile -CompressionLevel Optimal #Comprimiendo Archivo

Sleep 2

Label3("Subiendo a Google Drive")

$Label3.BackColor = "#D3C40C"

Invoke-UploadFilesToGDrive -UserName "anthonyde98@gmail.com" -GDriveFolder $FolderGDrive -FolderPath $FolderPath

Label3("Archivo Subido con exito!")

$Label3.BackColor = "Green"

}

}catch [InvalidOperationException]{

Label3("Dirección o nombre invalido")

$Label3.BackColor = "Red"

}

}

Function Button2\_Add\_Click(){

$Directory = $TextBox1.Text

$NameFile = $TextBox2.Text

$TextBox1.Text = ""

$TextBox2.Text = ""

try{

if($Directory.Length -gt 0){

Label3("Descomprimiendo...")

Expand-Archive -LiteralPath $Directory -DestinationPath $NameFile -Force #Descomprimiendo

Label3("Descomprimido")

$Label3.BackColor = "Green"

Write-Host 2

}

}catch [InvalidOperationException]{

Label3("Dirección o nombre invalido")

$Label3.BackColor = "Red"

}

}

Function Button3\_Add\_Click(){

$Button3.Image = New-Object System.Drawing.Bitmap('C:\Users\TOSHIBA\Desktop\Informatica\Sistemas Operativos\SO Mio\imagenes\nube.ico')

$PathFolder = "C:\Users\TOSHIBA\Desktop"

Mkdir -Path $PathFolder -Name "Download" -Force

Label3("Descargando...")

$Label3.BackColor = "Green"

try{

Invoke-DownloadFilesFromGDrive -UserName "anthonyde98@gmail.com" -GDriveFolder "Sistemas Operativos" -FolderPath ($PathFolder + "\Download")

Label3("Descarga Terminada con exito!")

}catch [Exception]{

Label3("Error de Conexión")

$Label3.BackColor = "Red"

}

$Button3.Image = New-Object System.Drawing.Bitmap('C:\Users\TOSHIBA\Desktop\Informatica\Sistemas Operativos\SO Mio\imagenes\nube.ico')

}

InitWindows