```powershell
<#
.SYNOPSIS
   This file sends out an email with users who were disabled today or
   will be disabled over the next week.

.PARAMETER Testing
  Used during file development as a safety measure at certain points.

.NOTES
  Get-UpcomingDisabledAccount.ps1
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    Last Updated: August 5, 2020
#>

[Diagnostics.CodeAnalysis.SuppressMessageAttribute("PSAvoidTrailingWhiteSpace","",Justification = "Not relevant")]
[Diagnostics.CodeAnalysis.SuppressMessageAttribute("PSAvoidUsingCmdletAliases","",Justification = "Only MS Provided Aliases are Used")]
[CmdletBinding()]
param (
  [switch]$Testing
)

$Error.Clear()
Set-HSCEnvironment

try
{
  Write-Output "Generating list of AD users that will be disabled"
  $users = Get-ADUser -filter * -Properties extensionAttribute1 | where {$_.extensionAttribute1 `
    -AND [datetime]$_.extensionAttribute1 -ge (Get-Date).AddDays(-1) `
    -AND [datetime]$_.extensionAttribute1 -le (Get-Date).AddDays(7)}

  $UsersFound = ($users | Measure).Count
  Write-Output "Upcoming Disables: $UsersFound"

  if ($UsersFound -gt 0)
  {
    $users | Select SamAccountName,extensionAttribute1,DistinguishedName | Sort -Property extensionAttribute1 | Export-Csv $($PSScriptRoot + "\Logs\" + (Get-Date -Format yyyy-MM-dd) + "-UpcomingADDisables.csv") -NoTypeInformation -Force
    Start-Sleep -Seconds 2 #Delay to make sure file is closed before being sent
  }
}
catch
{
  Write-Warning "Unable to get AD user list."
  return
}

#Now send email
Write-Output "Preparing to send email..."
[string[]]$Recipients = $null

if ($Testing) {
  $Recipients = "jbrusoe@hsc.wvu.edu"
}
else {
  $Recipients = "cbarnes@hsc.wvu.edu","jbrusoe@hsc.wvu.edu","mkondrla@hsc.wvu.edu","microsoft@hsc.wvu.edu"
}

$MsgBody = "This is the list of HSC AD accounts that will be disabled in the next week."
$Subject = (Get-Date -Format yyyy-MM-dd) + " Upcoming HSC AD Disables"

$Attachments = Get-ChildItem -path "$PSScriptRoot\Logs\" | Sort-Object -Property LastWriteTime -Descending | select FullName -first 1 | foreach {$_.FullName}

try
{
  if ($UsersFound -gt 0) {
    Send-MailMessage -Body $MsgBody -To $Recipients -From "microsoft@hsc.wvu.edu" -Subject $Subject -Attachments $Attachments -SmtpServer "hssmtp.hsc.wvu.edu" -Verbose -ErrorAction Stop
  }
  else {
    $MsgBody = "There are no accounts scheduled to be disabled over the next week."
    Send-MailMessage -Body $MsgBody -To $Recipients -From "microsoft@hsc.wvu.edu" -Subject $Subject -SmtpServer "hssmtp.hsc.wvu.edu" -Verbose -ErrorAction Stop
  }

  Write-Output "Successfully sent email"
}
catch
{
  Write-Warning "There was an error attempting to send the email"
  Write-Output $Error | FL
}

Invoke-HSCExitCommand
```