```powershell
1  #Remove-HospitalHIPAATraining.ps1
2  #Written by: Jeff Brusoe
3  #Last Updated: May 24 2021
4  #
5  #The purpose of this file is to remove the hospital HIPAA training
6  #flag (extensionAttribute14) from users who no longer take this.
7
8  [CmdletBinding()]
9  param (
10    [ValidateNotNullOrEmpty()]
11    [string]$HospitalFilePath = $((Get-HSCGitHubRepoPath) +
12                    "2CommonFiles\" +
13                    "HospitalHIPAATraining\"),
14
15    [int]$MaxRemoves = 50
16  )
17
18  try {
19    Set-HSCEnvironment -ErrorAction Stop
20
21    Write-Output "Hospital File Path: $HospitalFilePath"
22
23    $GetHSCLastFileParams = @{
24      DirectoryPath = $HospitalFilePath
25      ErrorAction ="Stop"
26    }
27
28    $HospitalFile = Get-HSCLastFile @GetHSCLastFileParams
29
30    Write-Output "Hospital File: $HospitalFile"
31  }
32  catch {
33    Write-Warning "Unable to configure environment."
34    Invoke-HSCExitCommand -ErrorCount $Error.Count
35  }
36
37  try {
38    Write-Output "Generating list of WVUM User IDs."
39    $WVUMUsers = Import-Csv $HospitalFile -ErrorAction Stop
40
41    $WVUMUserIDs = $WVUMUsers."User Id"
42  }
43  catch {
44    Write-Warning "Unable to open hospital file. Program is exiting."
45    Invoke-HSCExitCommand -ErrorCount $Error.Count
46  }
47
48  try {
49    Write-Output "Generating list of HSC AD Users"
50
51    $GetADUserParams = @{
52      Filter = "*"
53      Properties = "extensionAttribute14"
54      ErrorAction = "Stop"
55    }
56
57    $ADUsers = Get-ADUser @GetADUserParams |
58      Where-Object {$_.extensionAttribute14 -eq "HospitalHIPAA"}
59
```

```powershell
60     Write-Output $("Hospital HIPAA Count: " +
61              ($ADUsers | Measure-Object).Count)
62  }
63  catch {
64    Write-Warning "Unable to generate list of AD users"
65    Invoke-HSCExitCommand -ErrorCount $Error.Count
66  }
67
68  $RemovedCount = 0
69  $NotRemovedCount = 0
70  $UserCount = 0
71
72  foreach ($ADUser in $ADUsers)
73  {
74    $SamAccountName = $ADUser.SamAccountName
75
76    $UserCount++
77    Write-Output "User Count: $UserCount"
78
79    Write-Output "SamAccountName: $SamAccountName"
80    Write-Output "Distinguished Name:"
81    Write-Output $ADUser.DistinguishedName
82
83    if ($WVUMUserIDs -notcontains $SamAccountName) {
84      Write-Output "extensionAttribute14 is being cleared."
85      $RemovedCount++
86
87      try {
88        $ADUser |
89          Set-ADUser -Clear extensionAttribute14 -ErrorAction Stop
90      }
91      catch {
92        Write-Warning "Unable to clear extensionAttribute14"
93      }
94    }
95    else {
96      Write-Output "Hospital HIPAA is not being cleared"
97      $NotRemovedCount++
98    }
99
100   Write-Output "*************************"
101
102   if ($RemovedCount -gt $MaxRemoves) {
103     break
104   }
105 }
106
107 Write-Output "Removed: $RemovedCount"
108 Write-Output "Not Removed: $NotRemovedCount"
109
110 Invoke-HSCExitCommand -ErrorCount $Error.Count
```