Week3-ClassActivity-FunctionsAndEventLogs SYS-320 Ben W SP24

Deliverables:

1. Login-Logoff records

Empty Array, Loop, form new object

```
# Powershell Script
    # SYS-320 - Ben W
    $winlogon = Get-EventLog system -Source Microsoft-Windows-Winlogon -After (Get-Date).AddDays(-14)
    $winlogonTable = @()
 $event = "none"
10
       if ($winlogon[$i].InstanceId -eq "7001") { $event="Logon" }
if ($winlogon[$i].InstanceId -eq "7002") { $event="Logoff" }
11
12
13
14
       $user = $winlogon[$i].ReplacementStrings[1]
15
       16 😑
18
19
20
21
22
   $winlogonTable
```

3. Translate Userid to User

4. Convert to function

5. Startup and Shutdown log functions

```
=function Get-ShutdownEvent($days01d) {
    $winlog = Get-EventLog system -InstanceId 2147489654 -After (Get-Date).AddDays(-$daysOld)
    $winlogTable = @()
    for ($i=0; $i -lt $winlog.count; $i++) {
       $event = "Shutdown"
       $user = "System"
       }
    $winlogTable
=function Get-StartupEvent($daysOld) {
    $winlog = Get-EventLog system -InstanceId 2147489653 -After (Get-Date).AddDays(-$daysOld)
    $winlogTable = @()
   for ($i=0; $i -lt $winlog.count; $i++) {
       $event = "Startup"
       $user = "System"
       }
    $winlogTable
```

6. Dot Notation calling the functions

```
cd $PSScriptRoot

cd $PSScriptRoot

..\ps_lab03-1-all.ps1

Get-LogonEvent 15

Get-ShutdownEvent 25

Get-StartupEvent 25
```

7. Github Link:

https://github.com/benjamin-weatherill/SYS-320/tree/main/PowershellLabs/Lab03-Class Activity