# Prompt the user for interactive authentication via browser

Connect-AzAccount

# The authentication token is automatically stored and will be reused for subsequent sessions

# Read the Tenant IDs from an external file (tenantid.txt)

$TenantIDs = Get-Content -Path "c:\temp\TenantID.txt"

# Set the CSV file to be created in the Downloads folder

$MyCSVPath = (New-Object -ComObject Shell.Application).NameSpace('shell:Downloads').Self.Path + "\" + "Mission65-" + $(Get-Date -Format "yyyy-MM-dd\_HH-mm") + ".csv"

foreach ($TenantID in $TenantIDs)

{

    # Use the stored authentication token to set the context for each Tenant ID

    Set-AzContext -TenantId $TenantID

    # Get the subscriptions associated with the Tenant ID

    $MyAzSubscriptions = Get-AzSubscription -TenantId $TenantID -WarningAction SilentlyContinue

    foreach ($MyAzSubscription in $MyAzSubscriptions)

    {

        Set-AzContext -Subscription $MyAzSubscription -Tenant $TenantID

        # Get the Secure Score & all controls for each subscription

        $MyAzSecureScore = Get-AzSecuritySecureScore

        $MyAzSecureScoreControls = Get-AzSecuritySecureScoreControl

        foreach ($MyAzSecureScoreControl in $MyAzSecureScoreControls)

        {

            # Create an object containing the Secure Score data

            $MyCSVRow = [PSCustomObject]@{

                Date = (Get-Date).Date

                SubscriptionID = $MyAzSubscription.Id

                SubscriptionName = $MyAzSubscription.Name

                SubscriptionCurrentScore = $MyAzSecureScore.CurrentScore

                SubscriptionMaxScore = $MyAzSecureScore.MaxScore

                SubscriptionSecureScorePercentage = [math]::Round(($MyAzSecureScore.Percentage \* 100))

                SubscriptionWeight = $MyAzSecureScore.Weight

                ControlName = $MyAzSecureScoreControl.Name

                ControlDisplayName = $MyAzSecureScoreControl.DisplayName

                ControlCurrentScore = $MyAzSecureScoreControl.CurrentScore

                ControlMaxScore = $MyAzSecureScoreControl.MaxScore

                ControlPercentage = [math]::Round(($MyAzSecureScoreControl.Percentage \* 100))

                ControlWeight = $MyAzSecureScoreControl.Weight

                ControlHealthyResourceCount = $MyAzSecureScoreControl.HealthyResourceCount

                ControlUnhealthyResourceCount = $MyAzSecureScoreControl.UnhealthyResourceCount

                ControlNotApplicableResourceCount = $MyAzSecureScoreControl.NotApplicableResourceCount

            }

            # Append the Secure Score data to the CSV file

            $MyCSVRow | Export-Csv $MyCSVPath -Append

        }

    }

}