

## **Powershell Assignment By Itai Neil Chiriseri**

**This is code for the task and the comments defining the steps (ran powershell as administrator to export csv file)**

```
<#added the bearer and the content type to the header#>

$headers = @{}

$headers.Add("Content-Type", "application/json")

$headers.Add("Authorization", "Bearer VqMBNIOylmZ_W-T4HIYOq93vnuWozOrNSR4NcsNA")

<#formatted the date to year-month-date format#>

$time = (Get-Date).ToString("yyyy-MM-dd")

<#made the API call to the radar ranking and stored the result in a response variable#>

$response = Invoke-RestMethod -Method Get -Uri
"https://api.cloudflare.com/client/v4/radar/ranking/top?limit=100&name=main_series&location=US=${$time}" -Headers $headers

<# converted it to JSON data#>

$response | ConvertTo-Json

<#displayed the domain name and the rank#>

$response.result.main_series

<#stored the domain names and rank in a variable#>

$domainNamesAndRank = $response.result.main_series

<#exported the data to csv file#>

$domainNamesAndRank | Export-CSV C:\DomainNamesAndRank.csv
```

### **Snippet of the JSON Response**

```
{
  "success": true,
  "errors": [

  ],
  "result": {
```

```
"main_series": [  
  
    "@{rank=1; domain=google.com}",  
  
    "@{rank=2; domain=googleapis.com}",  
  
    "@{rank=3; domain=gstatic.com}",  
  
    "@{rank=4; domain=facebook.com}",  
  
    "@{rank=5; domain=yahoo.com}",  
  
    "@{rank=6; domain=microsoft.com}",
```

### These are the screenshots of the running task

```
Select Administrator: Windows PowerShell  
PS C:\WINDOWS\system32> <Read the bearer and the content type to the header>  
>> $headers = @{}  
>> $headers.Add("Content-Type", "application/json")  
>> $headers.Add("Authorization", "Bearer VqMBNIOyImZ_W-T4HIYOq93vnuWozOrNSR4NcsNA")  
>> <Format the date>  
>> $time = (Get-Date).ToString("yyyy-MM-dd")  
>> <Make the api call to the radar ranking api>  
>> $response = Invoke-RestMethod -Method Get -Uri "https://api.cloudflare.com/client/v4/radar/ranking/top?limit=100&name=main_series&location=US-$(($time))" -Headers $headers  
>> <Convert the response to json>  
>> $response | ConvertTo-Json  
>> <Display the domain name and the rank>  
>> $response.result.main_series  
>> <Store the domain names and rank as json>  
>> $domainNamesAndRank = $response.result.main_series  
>> <Export the data to csv>  
>> $domainNamesAndRank | Export-CSV C:\DomainNamesAndRank.csv
```

Administrator: Windows PowerShell

```
>> -Report the data to csv-
>> $domainNamesAndRank | Export-CSV C:\DomainNamesAndRank.csv
{
  "success": true,
  "errors": [
  ],
  "result": {
    "main_series": [
      "@{rank=1; domain=google.com}",
      "@{rank=2; domain=googleapis.com}",
      "@{rank=3; domain=static.com}",
      "@{rank=4; domain=facebook.com}",
      "@{rank=5; domain=yahoo.com}",
      "@{rank=6; domain=microsoft.com}",
      "@{rank=7; domain=doubleclick.net}",
      "@{rank=8; domain=apple.com}",
      "@{rank=9; domain=mozilla.com}",
      "@{rank=10; domain=amazon.com}",
      "@{rank=11; domain=youtube.com}",
      "@{rank=12; domain=googlesyndication.com}",
      "@{rank=13; domain=amazonaws.com}",
      "@{rank=14; domain=cloudfront.net}",
      "@{rank=15; domain=mozilla.net}",
      "@{rank=16; domain=pki.goog}",
      "@{rank=17; domain=apple-dns.net}",
      "@{rank=18; domain=google-analytics.com}",
      "@{rank=19; domain=akamaiedge.net}",
      "@{rank=20; domain=office.com}",
      "@{rank=21; domain=googlevideo.com}",
      "@{rank=22; domain=akadns.net}",
      "@{rank=23; domain=mozilla.org}",
      "@{rank=24; domain=live.com}",
      "@{rank=25; domain=googleusercontent.com}",
      "@{rank=26; domain=lencr.org}",
      "@{rank=27; domain=tiktokcdn.com}",
      "@{rank=28; domain=adnxs.com}",
      "@{rank=29; domain=icloud.com}",
      "@{rank=30; domain=akamai.net}",
      "@{rank=31; domain=bing.com}",
      "@{rank=32; domain=fcdn.net}",
      "@{rank=33; domain=pubmestic.com}",
      "@{rank=34; domain=digicert.com}",
      "@{rank=35; domain=rubiconproject.com}",
      "@{rank=36; domain=amazon-adsystem.com}",
      "@{rank=37; domain=office365.com}",
      "@{rank=38; domain=tiktokv.com}",
      "@{rank=39; domain=getpocket.com}",
      "@{rank=40; domain=doubleverify.com}",
      "@{rank=41; domain=googletagmanager.com}",
      "@{rank=42; domain=nr-data.net}",
      "@{rank=43; domain=mostads.com}",
      "@{rank=44; domain=office.net}",
      "@{rank=45; domain=adsafeprotected.com}",
      "@{rank=46; domain=yimg.com}"
    ]
  }
}
```