**Take-Two PowerShell Scripting Evaluation**

This test will be used to evaluate your PowerShell skill set. Please **do not** take more than two hours to do this evaluation. We are not looking for a perfect solution, we are looking for something that showcases your ability to write code and solve problems.

Review the scenario below and provide answers and/or deliverables to each of the following questions. Be sure to include the PowerShell code you used to get to the results.

**Scenario:**

You are given the attached file, **Users.csv** that looks like this:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EmailAddress** | **UserPrincipalName** | **Site** | **MailboxSizeGB** | **AccountType** |
| [user@domain.com](mailto:user@domain.com) | [user@domain.com](mailto:user@domain.com) | NYC | 10.44 | Employee |
| [Contractor1@domain.com](mailto:Contractor1@domain.com) | [Contractor1@domain.com](mailto:Contractor1@domain.com) | NYC | 35 | Contractor |

Etc…

1. First thing’s first, import the csv as a variable.  Use this variable for all subsequent tasks.
2. How many users are there?
3. What is the total size of all mailboxes?
4. How many accounts exist with non-identical EmailAddress/UserPrincipalName? Be mindful of case sensitivity.
5. Same as question 3, but limited only to Site: NYC
6. How many Employees (AccountType: Employee) have mailboxes larger than 10 GB?  (remember MailboxSizeGB is already in GB.)
7. Provide a list of the top 10 users with EmailAddress @domain2.com in Site: NYC by mailbox size, descending.
   1. The boss already knows that they’re @domain2.com; he wants to only know their usernames, that is, the part of the EmailAddress before the “@” symbol.  There is suspicion that IT Admins managing domain2.com are a quirky bunch and are encoding hidden messages in their directory via email addresses.  Parse out these usernames (in the expected order) and place them in a single string, separated by spaces – should look like: *“user1 user2 … user10”*
8. Create a new CSV file that summarizes Sites, using the following headers: *Site, TotalUserCount, EmployeeCount, ContractorCount, TotalMailboxSizeGB, AverageMailboxSizeGB*
   1. Create this CSV file based off of the original Users.csv.  Note that the boss is picky when it comes to formatting – make sure that AverageMailboxSizeGB is formatted to the nearest tenth of a GB (e.g. 50.124124 is formatted as 50.1).  You must use PowerShell to format this because Excel is down for maintenance.

**Note: We will run your code as well to get the answers.**