

WEEK 1 “ARRAYS AND STRINGS”

CHALLENGE 1:

```
PS C:\Users\me\CIS_Com_activities\week1\CIS_Community_Logic_Forge_PSET1> & C:/Users/me/AppData/Local/Programs/Python/Python312/python.exe c:/Users/me/CIS_Com_activities/week1/CIS_Community_Logic_Forge_PSET1/challenge_01_contribution_multiplier.py  
Input: [2, 4, 6, 8], and Output: [192, 96, 64, 48]
```

CHALLENGE 2:

```
PS C:\Users\me\CIS_Com_activities\week1\CIS_Community_Logic_Forge_PSET1> & C:/Users/me/AppData/Local/Programs/Python/Python312/python.exe c:/Users/me/CIS_Com_activities/week1/CIS_Community_Logic_Forge_PSET1/challenge_02_password_window.py  
BANC
```

CHALLENGE 3:

```
● PS C:\Users\me\CIS_Com_activities\week1\CIS_Community_Logic_Forge_PSET1> & C:/Users/me/AppData/Local/Programs/Python/Python312/python.exe c:/Users/me/CIS_Com_activities/week1/CIS_Community_Logic_Forge_PSET1/challenge_03_balanced_score.py  
2.5  
5.5
```

CHALLENGE 4:

```
PS C:\Users\me\CIS_Com_activities\week1\CIS_Community_Logic_Forge_PSET1> & C:/Users/me/AppData/Local/Programs/Python/Python312/python.exe c:/Users/me/CIS_Com_activities/week1/CIS_Community_Logic_Forge_PSET1/challenge_04_storage_search.py  
Input Matrix:-  
[1, 5, 9]  
[10, 11, 13]  
[12, 20, 15]  
k = 8th element  
Output: 15
```

CHALLENGE 5:

```
PS C:\Users\me\CIS_Com_activities\week1\CIS_Community_Logic_Forge_PSET1> & C:/Users/me/AppData/Local/Programs/Python/Python312/python.exe c:/Users/me/CIS_Com_activities/week1/CIS_Community_Logic_Forge_PSET1/challenge_05_fixed_exp.py  
Output of ()()() is: ['()'(), '()'())'  
Output of ) is: ['']
```

CHALLENGE 6:

```
PS C:\Users\me\CIS_Com_activities\week1\CIS_Community_Logic_Forge_PSET1> & C:/Users/me/AppData/Local/Programs/Python/Python312/python.exe c:/Users/me/CIS_Com_activities/week1/CIS_Community_Logic_Forge_PSET1/challenge_06_tower_of_hanoi.py  
Move disk 1 from A to C  
Move disk 2 from A to B  
Move disk 1 from C to B  
Move disk 3 from A to C  
Move disk 1 from B to A  
Move disk 2 from B to C  
Move disk 1 from A to C
```