ACM – AI SIG TASK – 2

V NAGA SUSHANTH KUMAR
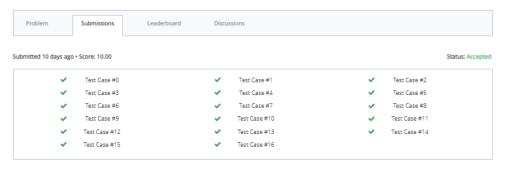
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The Minion Game
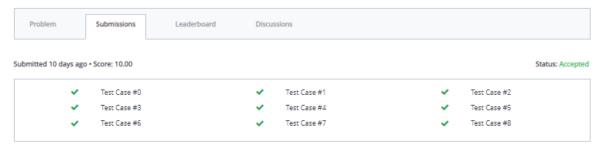
Problem	Submissions	Leaderboard	Discussions

Submitted 10 days ago • Score: 10.00   Status: Accepted

✔ Test Case #0	✔ Test Case #1	✔ Test Case #2
✔ Test Case #3	✔ Test Case #4	✔ Test Case #5
✔ Test Case #6	✔ Test Case #7	✔ Test Case #8
✔ Test Case #9	✔ Test Case #10	✔ Test Case #11
✔ Test Case #12	✔ Test Case #13	✔ Test Case #14

Submitted Code

Language: Python 3   ⎇ Open in editor

```python
def minion_game(S):
    vowels = ['A','E','I','O','U']
    player1 = 0
    player2 = 0
    for i in range(len(S)):
        if S[i] in vowels:
            player1 += (len(S) - i)
        else:
            player2 += (len(S) - i)

    if player1 > player2:
        print('Kevin', player1)
    elif player1 == player2:
        print('Draw')
    else:print('Stuart',player2)
```

Merge the Tools!

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✔ Test Case #12	✔ Test Case #13	✔ Test Case #14
✔ Test Case #15	✔ Test Case #16	

Submitted Code

Language: Python 3   ⎇ Open in editor

```python
def merge_the_tools(string, k):
    x = len(string)
    lst = []
    g = []
    for i in range(0,x,k):
        a = ""
        for j in range(k):
            a = a + string[i+j]
        lst.append(a)

    for word in lst:
        b = ""
        for j in range(k):
            if word[j] not in b:
                b = b + word[j]
        print(b)
```

Regex Substitution

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✔ Test Case #6	✔ Test Case #7	✔ Test Case #8

Submitted Code

Language: Python 3   ⌥ Open in editor

```python
import re

def function(match):
    if match.group(1) == '&&':
        return 'and'
    else:
        return 'or'

x = int(input())
for _ in range(x):
    print(re.sub(r"(?<= )(\|\||&&)(?= )", function,input()))
```

Words Score

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✔ Test Case #6	✔ Test Case #7	✔ Test Case #8
✔ Test Case #9	✔ Test Case #10	✔ Test Case #11

Submitted Code

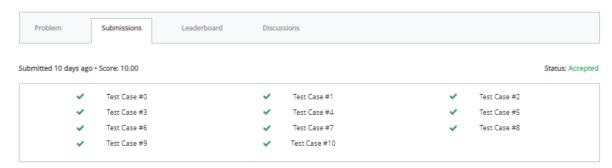Language: Python 3   ⌥ Open in editor

```python
def is_vowel(letter):
    return letter in ['a', 'e', 'i', 'o', 'u', 'y']

def score_words(words):
    score = 0
    for word in words:
        num_vowels = 0
        for letter in word:
            if is_vowel(letter):
                num_vowels += 1
        if num_vowels % 2 == 0:
            score += 2
        else:
            score = score + 1
    return score
```

Reduce Function

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✔	Test Case #6	✔	Test Case #7	✔	Test Case #8
✔	Test Case #9	✔	Test Case #10		

Submitted Code

Language: Python 3   ⅄ Open in editor

```python
def product(fracs):
    t = Fraction(reduce(lambda x, y: x * y, fracs))# complete this line with a reduce statement

    return t.numerator, t.denominator
```