

# AI – ACM SIG TASK

## Task 2

Name: Sayanthika K R  
Batch: S3 AIE – A

### 1. The Minion Game

## Submitted Code

Language: Python 3

```
1 vowels = ['A', 'E', 'I', 'O', 'U']
2
3 def minion_game(string):
4     score_kevin = 0
5     score_stuart = 0
6
7     for ind in range(len(string)):
8         if s[ind] in vowels:
9             score_kevin += len(string) - ind
10        else:
11            score_stuart += len(string) - ind
12
13    if score_kevin > score_stuart:
14        print("Kevin {}".format(score_kevin))
15    elif score_kevin < score_stuart:
16        print("Stuart {}".format(score_stuart))
17    else:
18        print("Draw")
19
```

Submitted 12 hours 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

## 2. Merge the Tools!

### Submitted Code

Language: Python 3 [Open in editor](#)

```
1 def merge_the_tools(string, k):
2     len_S = len(string)
3     segment_list = []
4     C=0
5     while (C < len_S):
6         segment_list.append(string[C:C+k])
7         C += k
8     for i in range(len(segment_list)):
9         print(''.join(dict.fromkeys(segment_list[i])))
```

Submitted 11 hours 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
✓	Test Case #15	✓	Test Case #16		

## 3. Regex Substitution

### Submitted Code

Language: Python 3 [Open in editor](#)

```
1 import re # import the regular expression module
2 def exprnchange(match):
3     if match.group(1) == '&&':
4         return 'and'
5     else:
6         return 'or'
7 for _ in range(int(input())):
8     print(re.sub(r"(?<= )(\|\\|&&)(?= )" ,exprnchange,input()))
```

Submitted an hour 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

## 4. Words Score

### Submitted Code

Language: Python 3 [Open in editor](#)

```
1 def is_vowel(letter):
2     return letter in ['a', 'e', 'i', 'o', 'u', 'y']
3
4 def score_words(words):
5     score = 0
6     for word in words:
7         num_vowels = 0
8         for letter in word:
9             if is_vowel(letter):
10                num_vowels += 1
11            if num_vowels % 2 == 0:
12                score += 2
13            else:
14                score += 1
15    return score
```

Submitted 26 minutes 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

## 5. Reduce Function

### Submitted Code

Language: Python 3 [Open in editor](#)

```
3 def product(fracs):
4     t = Fraction(reduce(lambda x, y: x * y, fracs))
5     return t.numerator, t.denominator
```

Submitted 17 minutes 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		