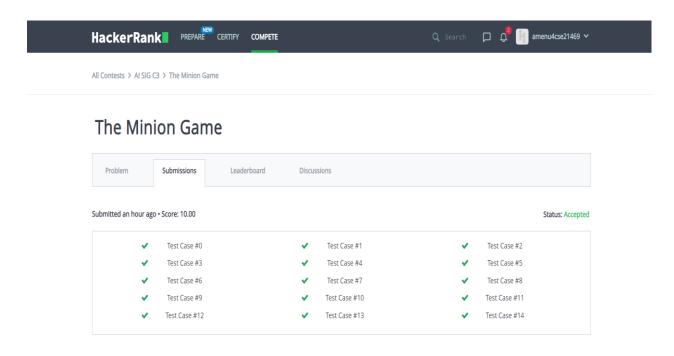
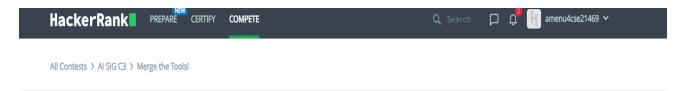
Task 1:

THE MINION GAME:

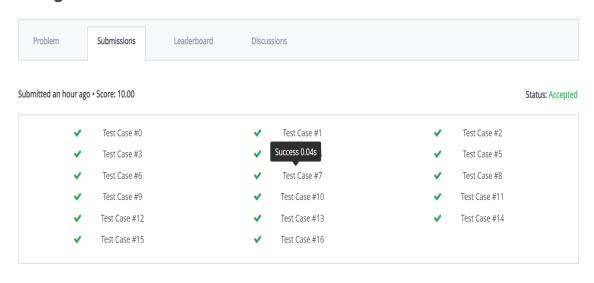


```
Language: Python 3
                                                                                                                  P Open in editor
1 def minion_game(string):
      # your code goes here
3
      vowels = 'AEIOU'
4
      Stuart_score, Kevin_score = 0, 0
5
      length = len(string)
6
      for start_idx in range(length):
7
           score = length - start_idx
8
          if string[start_idx] in vowels:
9
              Kevin_score += score
              Stuart_score += score
      if Stuart_score == Kevin_score:
12
           print('Draw')
13
14
      if Stuart_score > Kevin_score:
15
           print('Stuart {}'.format(Stuart_score))
16
      if Stuart_score < Kevin_score:</pre>
17
           print('Kevin {}'.format(Kevin_score))
```

MERGE THE TOOLS

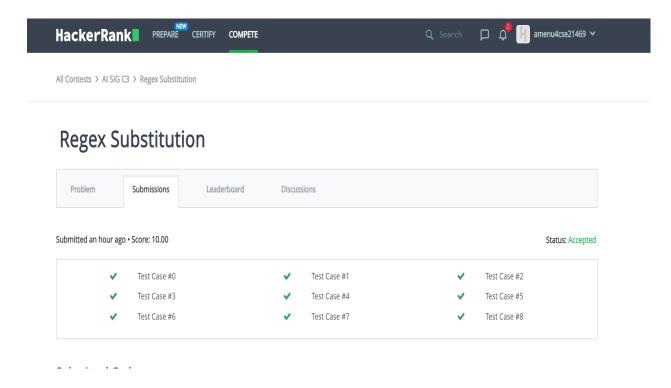


Merge the Tools!



```
Language: Python 3
                                                                                                       P Open in editor
1 def merge_the_tools(string, k):
2 # your code goes here
3 temp = []
   len_temp = 0
   for item in string:
       len_temp += 1
       if item not in temp:
8
           temp.append(item)
9
       if len_temp == k:
          print (''.join(temp))
10
11
             temp = []
12
             len_temp = 0
```

REGEX SUBSTITUTION



```
Language: Python 3

import re

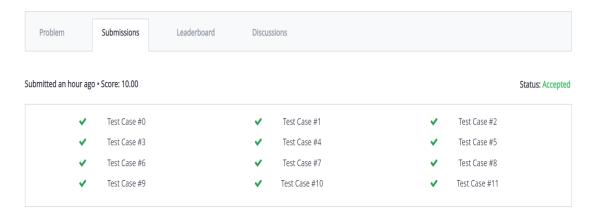
import re

for i in range(0,ii):
    txt = input()
    txt = re.sub(r"\ \&\&\ "," and ",txt)
    txt = re.sub(r"\ \\\\\ "," and ",txt)
    txt = re.sub(r"\ \\\\\"," or ",txt)
    txt = re.sub(r"\ \\\\\"," or ",txt)
    txt = re.sub(r"\ \\\\\\"," or ",txt)
    print(txt)
```

WORDS SCORE

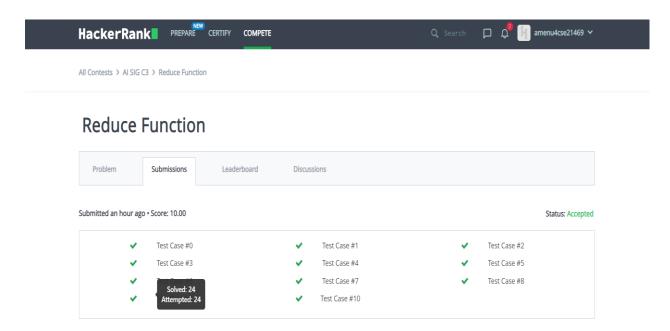


Words Score



```
Language: Python 3
                                                                                                     P Open in editor
 1 def is_vowel(letter):
 2 return letter in ['a', 'e', 'i', 'o', 'u', 'y']
4 def score_words(words):
5 score = 0
    for word in words:
      num_vowels = 0
       for letter in word:
8
       if is_vowel(letter):
9
   num_vowels += 1
if num_vowels % 2 == 0:
11
12
         score += 2
      else:
13
          score += 1
14
15
16
    return score
```

REDUCE FUNCTION



```
Language: PyPy3
                                                                                                            P Open in editor
3 def product(fracs):
     # creating empty list
     total = []
8
     # for loop to append numerator and denominator in list
9
     for frac in fracs:
10
     t = Fraction(frac.numerator, frac.denominator)
11
         total.append(t)
12
13
     # using lambda and reduce function
14
     res = reduce(lambda x,y : x*y, total)
15
     return res.numerator, res.denominator
16
     return t.numerator, t.denominator
17
18
```

TASK 2:

