HackerRank

```
if __name__ == '__main__':
    n = int(input())
    a=0
    r=0
    for i in range(n):
        print(i*i)
```

```
if __name__ == '__main__':
    n = int(input())
    for i in range(1,n+1):
        print(i,end="")
```

```
def is_leap(year):
    leap=False
    if year%4==0:
        if year%100==0:
            if year%400==0:
                return True
            else:
                return False
        else:
            return True
    else:
        return False
    return leap
```

```
year = int(input())
print(is_leap(year))
```

```
if __name__ == '__main__':
    x = int(input())
    y = int(input())
    z = int(input())
    n = int(input())
    list = []
for i in range(0, x+1):
    for j in range(0, y+1):
        for k in range(0, z+1):
            if i + j + k != n:
                list.append([i, j, k])
print(list)
```

```
if __name__ == '__main__':
    n = int(input())
    arr = set(map(int, input().split()))
    lt = sorted(arr, reverse=True)
    print(lt[1])
```

```
if __name__ == '__main__':
    nested = []
    for _ in range(int(input())):
        name = input()
        score = float(input())
        nested.append([name, score])
    print('\n'.join(sorted([i[0] for i in nested if i[1] == (so
```

```
if __name__ == '__main__':
    n = int(input())
    student_marks = {}
    for _ in range(n):
        name, *line = input().split()
        scores = list(map(float, line))
        student_marks[name] = scores
    query_name = input()
    print("{:.2f}".format(sum(student_marks[query_name]) / len(s
```

```
def split_and_join(line):
    new_line=line.split()
    final_line='-'.join(new_line)
    return final_line

if __name__ == '__main__':
    line = input()
    result = split_and_join(line)
    print(result)
```

```
def print_rangoli(size):
    # your code goes heretempList = []
    strTemp = []
    tempList=[]
    for _ in range((size-1)*2*2+1):
        strTemp.append('-')
    for i in range(size):
        for j in range(i+1):
            strTemp[size*2-(j*2+1)-1] = chr(97+size-(i+1)+j)
            strTemp[-1*(size*2-(j*2+1))] = chr(97+size-(i+1)+j)
```

```
        print(''.join(strTemp))
        tempList.append(''.join(strTemp))
    for r in range(size-1,0,-1):
        print(tempList[r-1])
if __name__ == '__main__':
    n = int(input())
    print_rangoli(n)
```

```
def minion_game(string):
    # your code goes here
    vowels = set(string).intersection(['A','E','I','O','U']) # C
    scores = [i for i in range(len(string),0,-1)] # len-based sc

    Kevin = 0
    Stuart = 0

    # Assign scores
    for s,i in zip(string,scores):
        if s in vowels:
            Kevin += i
        else:
            Stuart += i

    # Print
    if Kevin>Stuart:
        print('Kevin',Kevin)
    elif Kevin<Stuart:
        print('Stuart',Stuart)
    else:
        print("Draw")

if __name__ == '__main__':
```

```
    s = input()
    minion_game(s)
```