

Рег.Номер: 1381

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Баллы: 62

Вариант№: 2

Задание1 (10/15 баллов)

```
string = input()
```

```
good_string = ''
```

```
wrong_string = ''
```

```
word = ''
```

```
letters = {}
```

```
word_1 = ''
```

```
a = 0
```

```
b = 0
```

```
n = 0
```

```
for i in range(len(string)):
```

```
    if (string[i:i+1] == ' ' and (i != 0)) or (i == len(string)-1):
```

```
        word = string[n:i+1]
```

```
        word_1 = word.upper()
```

```
        for letter in word_1:
```

```
            if letter in letters:
```

```
                letters[letter] +=1
```

```
            else:
```

```
                letters[letter] = 1
```

```
        for letter in letters:
```

```
            a = letters[letter]
```

```
        if (a % 2) == 1:
            b += 1
    n = i+1
    if (b > 2) and (len(word) != 2):
        good_string += word
    else:
        wrong_string += word
        good_string += ' '

print(good_string)
```

Задание2 (12/15 баллов)

```
string = input()
```

```
numbers = [0, 1]
```

```
good_numbers = [1]
```

```
i = 2
```

```
a = 1
```

```
x = 0
```

```
n = 0
```

```
word = ''
```

```
m=0
```

```
while a < 233:
```

```
    numbers.append(numbers[i-2]+numbers[i-1])
```

```
    a = numbers[i]
```

```

for j in range(2,a):
    if a%j == 0:
        m=1
        break
if m==0:
    good_numbers.append(numbers[i])
m=0
i=i+1

good_string = ''

for i in range(len(string)):
    if (string[i:i+1] == ' ' and (i != 0)):
        word = string[n:i]
        x = len(word)
        if x in good_numbers:
            good_string = good_string+word+string[i:i+1]+word.lower()
+string[i:i+1]
        else:
            good_string += word +string[i:i+1]
        n=i+1
    if (i == len(string)-1):
        word = string[n:i+1]
        x = len(word)
        if x in good_numbers:
            good_string = good_string+word + ' ' + word
        else:
            good_string += word
        n=i+1

```

```
print(good_string)
```

Задание3 (18/18 баллов)

```
string = input()
```

```
word_number=0
```

```
n=0
```

```
weights = []
```

```
m=0
```

```
for i in range(len(string)):
```

```
    if (string[i:i+1] == ' ' and (i != 0)) or (i == len(string)-1):
```

```
        word_number += 1
```

```
        word = string[n:i+1]
```

```
        if word == ' ':
```

```
            continue
```

```
        n = i+1
```

```
        weights.append(int(word))
```

```
        m +=1
```

```
for i in range(m+1):
```

```
    for j in range(m-1):
```

```
        if weights[j]<weights[j+1]:
```

```
            a=weights[j]
```

```
            weights[j] = weights[j+1]
```

```
weights[j+1] = a
```

```
first = 0
```

```
second = 0
```

```
for i in range(m):
```

```
    if first>second:
```

```
        second += weights[i]
```

```
    else:
```

```
        first += weights[i]
```

```
print(str(first)+' '+str(second))
```

Задание4 (22/22 баллов)

```
string = input()
```

```
n = 0
```

```
x = 0
```

```
y = 0
```

```
word_number=0
```

```
numbers = []
```

```
y_word = 0
```

```
x_word = 0
```

```
for i in range(len(string)):
```

```
    if (string[i:i+1] == ' ' and (i != 0)) or (i == len(string)-1):
```

```
        word_number += 1
```

```

word = string[n:i+1]
if word == ' ':
    continue
n = i+1
if word_number == 1:
    x = int(word)
elif word_number == 2:
    y = int(word)
    numbers = [[0]*x for i in range(y)]
elif ((word_number-2)%x==0):
    numbers[y_word][x_word] = int(word)
    x_word = 0
    y_word += 1
else:
    numbers[y_word][x_word] = int(word)
    x_word += 1

summ = {}

for i in range(y):
    for j in range(x+1):
        for k in range(x-1):
            if numbers[i][k]<numbers[i][k+1]:
                a = numbers[i][k]
                numbers[i][k] = numbers[i][k+1]
                numbers[i][k+1]=a

```

```

for i in range(y):
    summ[i] = 0
    for j in range(x):
        summ[i] += numbers[i][j]

for k in range(y+1):
    for i in range(y-1):
        if summ[i]>summ[i+1]:
            a = summ[i]
            summ[i] = summ[i+1]
            summ[i+1] = a
            a = numbers[i]
            numbers[i] = numbers[i+1]
            numbers[i+1]=a

good_string = ''

for i in range(y):
    for j in range(x):
        good_string += str(numbers[i][j])
        if i*j != (x-1)*(y-1):
            good_string += ' '

print(good_string)

```