

14-16:00. 13.03.2021. version2

A) Given 3 tuples, find sum of each columns only by using tuples and built in functions

input

5

1 2 3 4 5

6 7 8 9 10

7 8 9 8 7

Output:

(14, 17, 20, 21, 22)

(USE ONLY BUILT IN FUNCTIONS AND TUPLES)

```
n = int(input())
a = tuple(map(int, input().split()))
b = tuple(map(int, input().split()))
c = tuple(map(int, input().split()))
zipped = tuple(x+y+z for x, y, z in zip(a, b, c))
print(zipped)
#From Arman.S
```

B) Given strings sort by key and find frequency

input

bobur baisak aksha baisak

Output:

aksha 1

baisak 2

bobur 1

C) (сложно понять, упрощаю задачу) given list find it's index after sort equal or not

input

1 3 2 4 5

explanation

1 2 3 4 5 (after sort)

output

2

explanation (in index 1 3 and 2 is not equal and in index 2 2 and 3 is not equal in total 2)

```
a = [int(i) for i in input().split()]
b = a.copy()
b.sort()
cnt = 0
for i in range(len(a)):
    if a[i] != b[i]:
        cnt += 1
print(cnt)
```

D) Given line with strings count string which length is odd.

input

blackmind erzhan almas buka

output

1

(answers: almas, blackmind)

(DON'T USE FOR AND WHILE, ALSO DON'T USE RECURSION FUNCTIONS)

```
def myfunc(n):
    if len(n) % 2 != 0:
        return 1
    else:
        return 0
a = list(map(str, input().split()))
#print(a)
b = list(map(myfunc, a))
#print(b)
print(b.count(1))
```

E) Given 2 lines, 1st line is students on this group second line who is participated

on lecture

Find who is absent and who is not in this group

input:

BlackMind Erzhan Almas Buka

Ali Erzhan Buka Yernur

output:

Absent: BlackMind Almas

Lost: Ali Yernur

F) Given username and password. Check it with regex.

username can consist any characters but at the end must be `#\d{4}`

password must consist at least one uppercase, one lowercase, one digit, one special character

length username $3 \leq x \leq 32$ and password ≥ 8

Input:

Kfasdfajsj213&2\$@#3123

Jk3232@2343234#*01

Output:

YES

(USE REGEX REGULAR EXPRESSIONS)

You must know to solve

for first problem only tuple and built in functions

second sort by key

forth solve without for and while

last one regex

from @blackmind17