In [ ]:
```
# Print given characters as a word with starting letter capital
#APSSDC -----> Apssdc

n=input()
l=n.capitalize()
print(l)
```

In [ ]:
```
n="A P S S D C"
l=n.capitalize()
print(l.replace(" ",""))
```

In [2]:
```
## Another way

characters=input()
words=characters.split()
''.join(words).capitalize()
```

```
a p s s d c
```

Out[2]:
```
'Apssdc'
```

In [ ]:
```

```

In [ ]:
```
#Print the maximum length word of given words
# Hai hello world
# hello
# world

n=input()
n=n.split()
count=0
for i in n:
    if count<len(i):
        count=len(i)
print(count)
for word in n:
    if count==len(word):
        print(word)

```

In [9]:
```
#Another way

words = input().split()
max_length=max(list(map(len,words)))
for word in words:
    if max_length==len(word):
        print(word)
```

```
hai hello world
hello
world
```

In [8]:
```
#Another way
words = input().split()
[print(word) for word in words if max(list(map(len,words)))==len(word)]

```

```
hai hello world
hello
world
```

Out[8]:
```
[None, None]
```

In [ ]:
```

```

In [15]:
```
# Print all the words which starts with the given character, If no words mat
# ramu ravi balu
# r
# ramu
# ravi


n=input().split()
for i in n:
    if i[0]=='r':
        if i[1]== 'a':
            print(i)
        else:
            print("-1")
```

```
ramu ravi balu
ramu
ravi
```

In [17]:
```
#Another way
word=input().split()
c=input()
match=0
for w in word:
    if w.startswith(c):
        print(w)
        match+=1
if match == 0:
    print(-1)

```

```
aghdyudi gdyudfidfu gdsyudil
0
-1
```

In [12]:
```
# Print all the words which words not ends with vowels(a,e,i,o,u)
# ramu ravi balu raju mahesh
# mahesh

```

In [ ]:
```
1
```

In [61]:
```
# Print all the words which word contains duplicate characters
# ramu akash balu
# akash

names=input().split()
for name in names:
        for ch in name:
            if name.count(ch)>1:
                print(name)
                break
```

```
akash anil
akash
```

In [ ]:
```
1
```

In [ ]:
```
# Swap the case of all characters in given string except last character
# HellowOrld
# hELLOWoRLd

n=input()
m=n.split()
l=n.swapcase()
#print(l)
sub=n[-1].lower()
print(l[0:-1]+sub)
```

In [18]:
```
w=input()
print(w[:-1].swapcase()+w[-1])
```

```
HelloWorld
hELLOwORLd
```

In [ ]:
```
1
```

In [19]:
```
# Print the number of words in a given string (here word starting character
# HelloWorld
# 2
n=input()
count=0
for char in n:
    if char.isupper():
        count+=1
print(count)
```

```
HelloWorld
2
```

In [22]:
```
# Another way


len(list(filter(str.isupper,input())))

```

```
HelloWorld
```

Out[22]:
```
2
```

In [10]:
```
# 1.Print even and odd numbers up to given range.

#### input : 10
#### output:
#### even numbers -->  2,4,6,8,10
#### odd numbers --> 1,3,5,7,9

n=int(input())
for i in range(1,n):
    if i%2==0:
        print('Even number is:',i)
for j in range(1,n):
    if j%2!=0:
        print('Odd num is:',j)
```

```
5
Even number is: 2
Even number is: 4
Odd num is: 1
Odd num is: 3
```

In [13]:
```
 # Print prime numbers up to given range. --> input: 10 output: 2 3 5 7



n=int(input())
for i in range(1,n+1):
    if n%i==0:
        print(i)

```

```
5
1
5
```

In [17]:
```
# Print prime numbers up to given range. --> input: 10 output: 2 3 5 7


lower = 1
upper = 10

# uncomment the following lines to take input from the user
#lower = int(input("Enter lower range: "))
#upper = int(input("Enter upper range: "))

print("Prime numbers between",lower,"and",upper,"are:")

for num in range(lower,upper + 1):
   # prime numbers are greater than 1
   if num > 1:
        for i in range(2,num):
            if (num % i) == 0:
                break
        else:
            print(num)
```

```
Prime numbers between 1 and 10 are:
2
3
5
7
```

In [18]:
```
li=[i for i in range(10)]
li
```

Out[18]: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

In [20]:
```
li=[]
for i in range(10):
    li.append(i)
li
```

Out[20]: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

In [31]:
```
# 3.Print second Max Ex: 12 34 23 45 65 o/p:45
li=[12,34,23,45,65]
li.sort()
print(li[-2])
```

```
45
```

In [25]:
```
li=[i*i for i in range(10)]
li
```

Out[25]: [0, 1, 4, 9, 16, 25, 36, 49, 64, 81]

In [29]:
```
li=[5*i for i in range(1,11)]
li
```

Out[29]: [5, 10, 15, 20, 25, 30, 35, 40, 45, 50]

In [30]:
```
li=[i**i for i in range(10)]
li
```

Out[30]: [1, 1, 4, 27, 256, 3125, 46656, 823543, 16777216, 387420489]

In [85]:
```
### 2.print given numbers prime or not.

#### input: --> 5 9
#### output: -->5  True
####
num=int(input())
if num > 1:
    if (num % i) == 0:
        print("not a prime num")
    else:
        print(num,"Prime num")
```

```
3
3 Prime num
```

In [68]:
```
#Multiplication table:
n=int(input())
for i in range(1,n+1):
    print(n,",",i,",",n*i)
```

```
5
5 , 1 , 5
5 , 2 , 10
5 , 3 , 15
5 , 4 , 20
5 , 5 , 25
```

In [4]:
```
### 4.Print factorial of a given number if it is a prime otherwise print pow

n=int(input())
fact=1
for i in range(2,n):
    if n%i==0:
        print(n*n)
else:
    for j in range(1,n+1):
        fact=fact*j
    print(fact)
```

```
4
16
24
```

In [ ]:

```
#Likes and dislikes of bob and alice likes denotes 1 , dislikes denotes 0.
#They asked you to count the number of topics that both like or dislike:
n=input().split()
m=input().split()
count=0
for i in range(len(n)):
    if n[i]==m[i]:
        count+=1
print(count)
```