

Task

```
In [7]: # Count Divisors

def countDivisors(i,j,k):
    count = 0;
    for val in range(i,j+1):
        if val%k == 0 :
            count = count+1
    print(count)

s = input()
s = s.split()
i = int(s[0])
j = int(s[1])
k = int(s[2])

countDivisors(i,j,k)
```

```
1 10 1
10
```

```
In [8]: # Factorial

def factorial(n):
    val = 1
    for i in range(1,n+1):
        val = val*i
    print(val)

n = int(input())
factorial(n)
```

```
5
120
```

```
In [9]: # Palindromic String

def palindrom(s):
    if s == s[::-1]:
        print("YES")
    else:
        print("NO")

s = input()
palindrom(s)
```

```
aba
YES
```

In [10]: *# Toggle String*

```
def caseConversion(s):
    string = ''
    for i in range(len(s)):
        if(s[i] >= 'a' and s[i] <= 'z'):
            string = string + chr((ord(s[i]) - 32))
        elif(s[i] >= 'A' and s[i] <= 'Z'):
            string = string + chr((ord(s[i]) + 32))
        else:
            string = string + s[i]
    print(string)

s = input()
caseConversion(s)
```

qwERTY
QWerty

In [18]: *Toggle String*

```
def a(n):
    for i in n:
        if i==i.upper():
            a=i.lower()
        if i == i.lower():
            a = i.upper()
        print(a,end=" ")

n = input()
a(n)
```

qwERTY
QWerty

In [16]: *# Prime Numbers*

```
def primeNumbers(n):
    for i in range(2,n+1):
        count=0
        for j in range(2,i//2+1):
            if i%j == 0:
                count = count+1
                break
        if (count == 0 and i!=1):
            print(i,end=" ")

n = int(input())
primeNumbers(n)
```

9
2 3 5 7

```
In [*]: # Write your code here
def twoStrings(s1,s2):
    if len(s1)==len(s2):
        count=0
        for i in range(0,len(s1)):
            for j in range(0,len(s2)):
                if(s1[i]!=s2[j]):
                    count=1
            if(count==0):
                print("YES")
            else:
                print("NO")
    else :
        print("NO")
n=int(input())
if(n>=1 and n<=100):
    for i in range(n):
        s = input()
        s=s.split()
        if((len(s[0])>=1 and len(s[0])<=10**5) and (len(s[1])>=1 and len(s[1])<=10**5)):
            twoStrings(s[0],s[1])
```

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In [ ]: # Duration
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In [ ]: # charsum
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```
In [ ]: # play with numbers
```