In [1]:
```python
size=int(input())
```

2

In [4]:
```python
#count divisions
def countdiv(i,j,k):
    count=0
    for a in range(i,j+1):
        if a%k==0:
            count=count+1
    print(count)
countdiv(1,10,1)
```

10

In [5]:
```python
def counts():
    l=[]
    for i in range(0,3):
        a=int(input())
        l.append(a)
    print(l)
counts()
```

1
10
1
[1, 10, 1]

In [7]:
```python
#count divisiors
def countdiv(i,j,k):
    count=0
    for a in range(i,j+1):
        if a%k==0:
            count=count+1
    print(count)
st=input()
st=st.split()
i=int(st[0])
j=int(st[1])
k=int(st[2])
countdiv(i,j,k)
```

1 10 1
10

```
In [15]:  #polindrome string
          def polin(s):
              a=[]
              for i in s:
                  a.append(i)
              a.reverse()
              print(a)
              if s==a:
                  print("yes")
              else:
                  print("false")
          polin("sas")
```

```
['s', 'a', 's']
false
```

```
In [17]:  a=['s','a']
          b=str(a)
          b
```

Out[17]: "['s', 'a']"

```
In [18]:  def polin(s):
              if s==s[::-1]:
                  print("YES")
              else:
                  print("NO")
          s=input()
          polin(s)
```

```
aba
YES
```

```
In [30]:  #toggle string
          def toggl(s):
              for i in s:
                  if i==i.lower():
                      a=i.upper()
                      print(a,end="")
                  elif i==i.upper():
                      a=i.lower()
                      print(a,end="")

          s="sAth"
          toggl(s)
```

```
SaTH
```

In [36]:
```python
def st(n):
    for i in range(0,n):
        s1=input("enter s1")
        s2=input("enter s2")
        for l1 in s1:
            for l2 in s2:
                print(l2,end="")

st(2)
```

2 3 5 7 11 17

```
enter s1sa
enter s2sa
sasaenter s1qq
enter s2ww
qqww
```

In [18]:
```python
#prime no range
def primerange(n):

    for j in range(n+n):
        c=0
        for i in range(1,n):
            if j%i==0:
                c=c+1
        if c==2:
            print(j)

primerange(5)
```

```
2
3
9
```

In [ ]:

In [25]:
```python
#prime range
def primerange(n):

    for j in range(n):
            c=0
            for i in range(1,n):
                if j%i==0:
                    c=c+1
            if c==2:
                print(j)

primerange(9)
```

2
3
5
7

In [ ]: