In [1]:
```
# 1. Write a Python function to input two numbers and perform the Calculator
a=int(input("Enter first number "))
b=int(input("Enter second number "))
print("Sum = ", a+b,"\nDifference = ",abs(a-b),"\nProduct = ",a*b,"\nQuotier
```

```
Enter first number 5
Enter second number 3
Sum =  8
Difference =  2
Product =  15
Quotient =  1.6666666666666667
```

In [2]:
```
# 2. Write a Python function that takes an integer and returns True if it's
from sympy import *
def CheckPrime(n):
    if isprime(n):
        return True
    else:
        return False
a=int(input("Enter a number to check if its prime or not "))
print(f"Result: {CheckPrime(a)}")
```

```
Enter a number to check if its prime or not 53
Result: True
```

In [3]:
```
''' 3. Create a Python function that creates a sequence between 1 and 100 an
Compute and display the sum of all the even numbers.'''
def Seq():
    s=0
    for x in range(1,100):
        if x%2==1:
            print(x,end=" ")
        else:
            s+=x
    print("\nSum of even numbers = ",s)
Seq()
```

```
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 5
3 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99
Sum of even numbers =  2450
```

In [4]:
```
''' 4. Write a Python function to add two elements and display the result.
 The elements can be of type integer, float or string.'''
def Addition(x,y):
    return x+y
a=input("Enter first element ")
b=input("Enter second element ")
try:
    x=float(a)
    y=float(b)
    sum=Addition(x,y)
    if(str(sum).endswith(".0")): print(int(sum))
    else: print(sum)
except ValueError: print(Addition(a,b))
```

```
Enter first element 5
Enter second element 4.9
9.9
```

In [5]:
```
''' 5. Write a Python function that takes a string input from the user and c
in the string.'''
s=input("Enter a string ")
c=v=0
for x in s:
    if x in 'aeiouAEIOU':
        v+=1
    else:
        c+=1
print(f"Number of vowels: {v} Number of consonants: {c}")
```

```
Enter a string Helloo
Number of vowels: 3 Number of consonants: 3
```