In [4]:
```
#1)Write a Python program to find the average of all the elements in a list.
import numpy as np
```

In [5]:
```
l=[1,2,3,4,5,6,7,8]
np.average(l)
```

Out[5]: 4.5

In [7]:
```
#2)Write a Python program to find the sum of all the elements in a list.
l=[]
for i in range(1,11):
    sum=0
    l.append(i)
    sum+=len(l)
print(sum)
```

```
10
```

In [9]:
```
#3)Write a Python program to print the elements of a list in reverse order.
li=[]
for j in range(1,11):
    li.append(j)
print(li)
li[::-1]
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

Out[9]: [10, 9, 8, 7, 6, 5, 4, 3, 2, 1]

In [10]:
```
#4)Write a Python program to reverse a given string.
name=input("Enter the name :")
name[::-1]
```

```
Enter the name :KILLI RAMA KRISHNA
```

Out[10]: 'ANHSIRK AMAR ILLIK'

In [23]:
```
# 5)Write a Python program to find the factorial of a given number.
N=int(input("Enter the number: "))
fact=1
if N<0:
    print("there is no negative number exist")
elif N==0:
    print("Factorial is 0")
for i in range(1,N+1):
    fact=fact*N
print(fact)
```

```
Enter the number: 2
4
```

In [28]:
```
# 6)Write a Python program to check if a given string is a palindrome.
name=input("Enter the name")
if (name==name[::-1]):
    print("Yes it is Palindrome")
else:
    print("No a palindrome")
```

```
Enter the nameBATTLE
No a palindrome
```

In [33]:
```
#7)Write a Python program to print the first 10 Fibonacci numbers.
def feb(n):
    a=0
    b=1
    if(n==1):
        print(a)
    print(a)
    print(b)
    for i in range(0,n):
        c=a+b
        a=b
        b=c
        print(c,end=" ")

feb(10)
```

```
0
1
123581321345589
```

In [37]:
```
# 8)Write a Python program to calculate the area of a circle with a given radi
r=int(input("Enter the radius : "))
pi=3.14
A=pi*r**2
print(f'The area of the circle: {A}')
```

```
Enter the radius : 12
The area of the circle: 452.16
```

In [41]:
```
# 9)Write a Python program to convert a temperature in Celsius to Fahrenheit.
celsius=float(input("Enter the Temperature"))
fahrenheit=(celsius*(9/5))+32
print(f'the convert the celsius to fahrenheit {fahrenheit}f')
```

```
Enter the Temperature34
the convert the celsius to fahrenheit 93.2f
```

In [47]:
```
# 10)Write a Python program to check if a number is positive, negative, or zero
n=int(input("Enter the number :"))
if n>0:
    print(f"Given number is {n} positive ")
elif n<0:
    print(f"Given number is {n} negative")
else:
    print(f"Given number is {n} Zero")
```

```
Enter the number :0
Given number is 0 Zero
```

In [57]:
```
#11)Write a Python program to check if a number is even or odd.
num=int(input("Enter the number "))
if num%2==0:
    print(f"Given the number is even {num}")
else:
    print(f"Given the number is odd {num} ")
```

```
Enter the number 2
Given the number is even 2
```