

Program1:

Write a program to accept a number from a user and calculate the sum of all numbers from 1 to a given number.

- Expected run of this program looks like the following: Enter a number:

10 Sum of numbers to 10 is 55

Code 1:

```
num=int(input("Enter Number : "))
sum=0
for i in range(1,num+1,1):
    sum=sum+i
print("Sum = ",sum)
```

Program2:

using this list [5, 10, 15, 20, 25, 50, 0]. Write a program to find the index of the value 20 in the list. Then add this index value to the list.

- :Expected run of this program looks like the following

The index value of 20 is: 3

The list after adding this value is [5, 10, 15, 20, 25, 50, 0, 3].

Code 2:

```
L1 = [5, 10, 15, 20, 25, 50, 0]
if 20 in L1:
    print(L1.index(20))
L1.append(3)
print(L1)
```