

Answer:

Program 1:

```
n = int(input("Enter a number: "))

s = 0

for i in range(n + 1):
    s += i
print("The sum of all numbers from 1 to the enter number is: ", s)
```

Program 2:

```
list = [5, 10, 15, 20, 25, 50, 0]

index = list.index(20)

print("The index value of 20 is : ", index)

list.append(index)

print("The list after adding this value is : ", list )
```