Problem 1

Complete the function below that takes a Python list as an argument. You can assume the list will only contain numbers. Use a for - or while -loop to compute the total (i.e. sum) of all the entries in alist . The function should return only the total. For example, calling the function with

```
list_sum([1, 2, 3])
will return 6.
```

Do not use the built in Python command sum(), the tests will fail if you try.

Problem 2

Complete the function below that takes a Python list as an argument. You can assume the list will only contain numbers. Use a for - or while -loop to compute the cumulative sum at each entry of the input list. The function should return a list, where each value in the list is the sum of the value in the equivalent index in alist and all those before it in order. For example, calling the function with

```
cumulative_sum([1, 2, 3])
    will return [1, 3, 6] . And
        cumulative_sum([1, 3, 5, 8])
    will return [1, 4, 9, 17] .

In []:

    def cumulative_sum(alist):
        cu_list = []
        length = len(alist)
        cu_list = [sum(alist[0:x:1]) for x in range(0, length+1)]
        return cu_list[1:]
    # return #list containing cumulative sums

In []:
    cumulative_sum([1, 2, 3])

Out[]: [1, 3, 6]
```

```
In [ ]: cumulative_sum2([2, 5, 6])
```

Out[]: [2, 7, 13]