Assignment # 3

1. Write a Python program to sum all the items in a list.
2. Write a Python program to check a list is empty or not
3. Write a Python program to print a specified list after removing the 0th, 4th and 5th elements.
4. Write a Python program to shuffle and print a specified list. (Hint: `from random import shuffle`)
5. Write a Python program to convert a string to a list.
6. Write a Python program to extend a list without append. (Hint: x[:0]=y or x[len(x):]=y)
    Sample data: x=[10, 20, 30]
    y=[40, 50, 60]
    Expected output : [40, 50, 60, 10, 20, 30] or [10, 20, 30, 40,50,60]
7. Write a Python program to insert a given string at the beginning of all items in a list
    Sample list : [1,2,3,4], string : emp
    Expected output : ['emp1', 'emp2', 'emp3', 'emp4']
8. Write a Python program to replace the last element in a list with another list.
    (Sample data : [1, 3, 5, 7, 9, 10], [2, 4, 6, 8]
    Expected Output: [1, 3, 5, 7, 9, 2, 4, 6, 8])
9. Write a Python program to get the frequency of the elements in a list. (import *collections*)
10. Write a Python program to clone or copy a list.