write a python program to find all elements or all subsets of elements that sums to zero.

```
In [2]: from itertools import combinations
        # function to generate all the sub lists
        def sub_lists (1):
            # initializing empty list
            comb = []
            #Iterating till length of list
            for i in range(len(1)+1):
                # Generating sub list
                comb += [list(j) for j in combinations(l, i)]
            # Returning List
            return comb
        list1 = [1,5,7,-8,-2]
        sub_list = sub_lists(list1)
        1_zerosum = []
        for i in range(len(sub list)):
            sum1 = 0
            for j in range(len(sub_list[i])):
                sum1 += sub list[i][j]
            if sum1 == 0:
                l_zerosum.append(sub_list[i])
            else:
                continue
        print(l_zerosum)
```

[[], [1, 7, -8]]

write a python function to check duplicate letters(must accept sentence).

```
In [3]: def duplicate(str1):
    words = str1.split()
    for i in range(len(words)):
        for j in range(len(words[i])-1):
            if words[i][j] == words[i][j+1]:
                return True
    str2 = input("Enter String : ")
    flag = duplicate(str2)

if flag == True:
    print("contains duplicate")
else:
    print("does not contains duplicate")
```

Enter String : krishna is good
contains duplicate

Merge two sorted arrays into a single list.

```
In [5]: list1 = [1,2,3,4,5,]
list2 = [6,7,8,9,10]
print("sorted list is :",sorted(list1)+sorted(list2))

sorted list is : [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

standardlize mobile number.

standardlize number format.