

1. Python program to print all negative numbers in a range

start, end = -4, 19

```
# iterating each number in list
for num in range(start, end + 1):
```

```
    # checking condition
    if num < 0:
        print(num, end = " ")
```

2. Remove multiple elements from a list in Python

```
# creating a list
```

```
list1 = [11, 5, 17, 18, 23, 50]
```

```
# Iterate each element in list
# and add them in variable total
for ele in list1:
```

```
    if ele % 2 == 0:
        list1.remove(ele)
```

```
# printing modified list
print("New list after removing all even numbers: ", list1)
```

3. write a Python program to Remove an empty List from the List

```
# Initializing list
```

```
myList = [1, [], 2, 3, [], 4, 5, [], [], 9]
```

```
# printing original list
print("The original list is : " + str(myList))
```

```
# Remove empty List from List
result = list(filter(None, myList))
```

```
# printing result
print ("List after empty list removal : " + str(result))
```

4. write a Python program to Clone or Copying a list

```
myList = [1,2, 3,4, 5, 9]
```

```
newlist=myList
```

5. write a Python program to count occurrences of an element in a list

```
def countX(lst, x):  
    count = 0  
    for ele in lst:  
        if (ele == x):  
            count = count + 1  
    return count
```

```
# Driver Code
```

```
lst = [8, 6, 8, 10, 8, 20, 10, 8, 8]  
x = 8  
print('{} has occurred {} times'.format(x, countX(lst, x)))
```

6. write a Python program to Remove empty tuples from a list

```
def Remove(tuples):  
    tuples = [t for t in tuples if t]  
    return tuples
```

```
# Driver Code
```

```
tuples = [(), ('ram','15','8'), (), ('laxman', 'sita'),  
          ('krishna', 'akbar', '45'), ('',''),()]  
print(Remove(tuples))
```

7. write a Python program to Program to print duplicates from a list of integers

```
def Repeat(x):  
    _size = len(x)  
    repeated = []  
    for i in range(_size):  
        k = i + 1  
        for j in range(k, _size):  
            if x[i] == x[j] and x[i] not in repeated:  
                repeated.append(x[i])  
    return repeated
```

```
# Driver Code
```

```
list1 = [10, 20, 30, 20, 20, 30, 40,  
         50, -20, 60, 60, -20, -20]  
print (Repeat(list1))
```

8. write a Python program to find the Cumulative sum of a list

```
def Cumulative_sum(lists):  
    cum_list = []  
    lenlength = len(lists)  
    cum_list = [sum(lists[0:x:1]) for x in range(0, length+1)]  
    return cum_list[1:]
```

```
lists = [10, 15, 20, 25, 30]  
print (Cumulative_sum(lists))
```

9. write a Python program to Sum of number digits in a List

```
my_list = [11, 23, 41, 62, 89, 0, 10]  
print("The list is : ")  
print(my_list)  
my_result = []  
for elem in my_list:  
    sum_val = 0  
    for digit in str(elem):  
        sum_val += int(digit)  
    my_result.append(sum_val)  
print ("The result after adding the digits is : ")  
print(my_result)
```

10. write a Python program to Break a list into chunks of size N

```
my_list = ['Supriyo', 'Pal', 'sassy', 'classic']  
def divide_chunks(l, n):
```

```
    # looping till length l  
    for i in range(0, len(l), n):  
        yield l[i:i + n]
```

```
# How many elements each  
# list should have  
n = 5
```

```
x = list(divide_chunks(my_list, n))  
print (x)
```

11. write a Python program to sort the values of the first list using the second list

```
def sort_list(list1, list2):
```

```
zipped_pairs = zip(list2, list1)
z = [x for _, x in sorted(zipped_pairs)]
return z

# driver code
x = ["a", "b", "c", "d", "e", "f", "g", "h", "i"]
y = [0, 1, 1, 0, 1, 2, 2, 0, 1]
print(sort_list(x, y))

x = ["g", "e", "e", "k", "s", "f", "o", "r", "g", "e", "e", "k", "s"]
y = [0, 1, 1, 0, 1, 2, 2, 0, 1]
print(sort_list(x, y))
```

