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

```python
start, end = -4, 19

for num in range(start, end + 1):

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

```
-4 -3 -2 -1
```

2. Remove multiple elements from a list in Python.

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

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

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

```
New list after removing all even numbers:  [11, 5, 17, 23]
```

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

```python
test_list = [5, 6, [], 3, [], [], 9]

print("The original list is : " + str(test_list))

res = list(filter(None, test_list))

print("List after empty list removal : " + str(res))
```

```
The original list is : [5, 6, [], 3, [], [], 9]
List after empty list removal : [5, 6, 3, 9]
```

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

```python
def Cloning(li1):
    li_copy = li1[:]
    return li_copy

li1 = [4, 8, 2, 10, 15, 18]
li2 = Cloning(li1)
print("Original List:", li1)
print("After Cloning:", li2)
```

```
Original List: [4, 8, 2, 10, 15, 18]
After Cloning: [4, 8, 2, 10, 15, 18]
```

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

```python
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)))
```

```
8 has occurred 5 times
```

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

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

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

```
[('ram', '15', '8'), ('laxman', 'sita'), ('krishna', 'akbar', '45'), ('', '')]
```

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

```python
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

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

```
[20, 30, -20, 60]
```

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

```python
list=[10,20,30,40,50]
new_list=[]
j=0
for i in range(0,len(list)):
    j+=list[i]
    new_list.append(j)

print(new_list)
```

```
[10, 30, 60, 100, 150]
```

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

```python
test_list = [12, 67, 98, 34]

print("The original list is : " + str(test_list))

res = []
for ele in test_list:
    sum = 0
    for digit in str(ele):
        sum += int(digit)
    res.append(sum)

print ("List Integer Summation : " + str(res))
```

```
The original list is : [12, 67, 98, 34]
List Integer Summation : [3, 13, 17, 7]
```

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

```python
my_list = [1, 2, 3, 4, 5,
           6, 7, 8, 9]

n = 4

final = [my_list[i * n:(i + 1) * n] for i in range((len(my_list) + n - 1) // n )]
print (final)
```

```
[[1, 2, 3, 4], [5, 6, 7, 8], [9]]
```

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

```python
#11.
def sort_list(list1, list2):

    zipped_pairs = zip(list2, list1)

    z = [x for _, x in sorted(zipped_pairs)]

    return z

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))
```

```
['a', 'd', 'h', 'b', 'c', 'e', 'i', 'f', 'g']
['g', 'k', 'r', 'e', 'e', 'g', 's', 'f', 'o']
```