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

# Enter range as input

n = int(input("Enter the start of range: "))

N = int(input("Enter the End of range: "))

out=[i for i in range(n,N+1) if i<0]

  # print the all negative numbers in given range

print(out)

**Answer:** Enter the start of range: -10

Enter the End of range: 20

[-10, -9, -8, -7, -6, -5, -4, -3, -2, -1]

1. **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)

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

1. **write a Python program to Remove empty List from List**

# Initializing list

lst = [5, 6, [], 3, [], [], 9]

# printing original list

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

# Remove empty List from List

# using list comprehension

res = [ele for ele in lst if ele != []]

# printing result

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

**Answer:** The original list is: [5, 6, [], 3, [], [], 9]

List after empty list removal: [5, 6, 3, 9]

1. **write a Python program to Cloning or Copying a list**

def Cloning(li1):

    li\_copy = [i for i in li1]

    return li\_copy

# Driver Code

li1 = [4, 8, 2, 10, 15, 18]

li2 = Cloning(li1)

print("Original List:", li1)

print("After Cloning:", li2)

**Answer:** Original List: [4, 8, 2, 10, 15, 18]

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

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

# Python code to count the number of occurrences

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)))

**Answer:** 8 has occurred 5 times

1. **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))

**Answer:**

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

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

def duplicate(input\_list):

  return list(set([x for x in input\_list if input\_list.count(x) > 1]))

if \_\_name\_\_ == '\_\_main\_\_':

  input\_list = [1, 2, 1, 2, 3, 4, 5, 1, 1, 2, 5, 6, 7, 8, 9, 9]

  print(duplicate(input\_list))

**Answer:** [1, 2, 5, 9]

1. **write a Python program to find Cumulative sum of a list**

def Cumulative(lists):

    cu\_list = []

    length = len(lists)

    cu\_list = [sum(lists[0:x:1]) for x in range(0, length+1)]

    return cu\_list[1:]

# Driver Code

lists = [10, 20, 30, 40, 50]

print (Cumulative(lists))

**Answer:** [10, 30, 60, 100, 150]

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

lst = [12, 67, 98, 34]

# printing original list

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

# Sum of number digits in List

# using loop + str()

res = []

for ele in lst:

  sum = 0

  for digit in str(ele):

    sum += int(digit)

  res.append(sum)

# printing result

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

Answer: The original list is: [12, 67, 98, 34]

List Integer Summation: [3, 13, 17, 7]

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

my\_list = ['geeks', 'for', 'geeks', 'like',

    'geeky','nerdy', 'geek', 'love',

      'questions','words', 'life']

# Yield successive n-sized

# chunks from l.

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)

**Answer:** [['geeks', 'for', 'geeks', 'like', 'geeky'], ['nerdy', 'geek', 'love', 'questions', 'words'], ['life']]

1. **write a Python program to Sort the values of first list using 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))

**Answer:** ['a', 'd', 'h', 'b', 'c', 'e', 'i', 'f', 'g']

['g', 'k', 'r', 'e', 'e', 'g', 's', 'f', 'o']