**Co1**

**Program 3a**

lt =[-10,20,35,-67,70]

r=[n for n in lt if n>=0]

print(r)

**out**

[20, 35, 70]

**3b**

n=int(input("Enter the limit"))

sqlist= [ i\*\*2 for i in range(1,n+1)]

print("Square of N numbers : ", sqlist)

**out**

Enter the limit4

Square of N numbers : [1, 4, 9, 16]

**3c**

w =str(input("Enter the word :"))

print("The original string is : "+w)

print("The vowel are : ",end="")

for i in w:

if i in 'aeiouAEIOU':

print([i],end=" ")

**out**

Enter the word :Python Programming

The original string is : Python Programming

The vowel are : ['o'] ['o'] ['a'] ['i']

**3d**

word=input("Enter a word:")

print("Ordinal values corresponding to each element is:")

for i in word:

print(i,end=":")

print(ord(i),end=" ")

**out**

Enter a word:PYTHON

Ordinal values corresponding to each element is:

P:80 Y:89 T:84 H:72 O:79 N:78

**P4**

str1 = input("Enter a string : ")

word = str1.split()

count= []

for w in word:

count.append(word.count(w))

print("count of the occurrence:" + str(list(zip(word, count))))

**out**

Enter a string : Python programming

count of the occurrence:[('Python', 1)]

count of the occurrence:[('Python', 1), ('programming', 1)]

**p5**

n=[]

s=int(input("Enter a limit:"))

print("Enter {s} values")

for i in range(0,s):

n.append(int(input()))

print("\nThe list after assinging:\n")

for i in range(0,len(n)):

if(n[i]>=100):

print("over")

else:

print(n[i])

**output**

Enter a limit:2

Enter {s} values

24

199

The list after assinging:

24

Over

**P7**

lst=[1,3,5,7,9,11,34]

lst1=[5,13,45,7,20,65,1]

s=int(0)

c=int(0)

if(len(lst)==len(lst1)):

print("Lists are of same length")

else:

print("Lists have different length")

for i in range(0,len(lst) and len(lst1)):

s=s+lst[i]

c=c+lst1[i]

if(s==c):

print("equal sum")

else:

print("not same sum")

print("Elements that matched are:")

l=[]

for i in range(0,len(lst)):

for j in range(0,len(lst1)):

if lst[i]==lst1[j]:

l.append(lst[i] and lst1[j])

else:

continue

print(l)

**out**

Lists are of same length

not same sum

Elements that matched are:

[1, 5, 7]

**P9**

str=input("Enter a string:")

nstr=str[-1:] +str[1:-1] + str[:1]

print("New string : ",nstr)

**Out**

Enter a string:Python

New string : nythoP

**P11**

**P13**

**P20**

num = [7,8, 120, 25, 44, 20, 27]

print( "Original list:",num)

num = [x for x in num if x%2!=0]

print("list after removing Even numbers:",num)

**out**

Original list: [7, 8, 120, 25, 44, 20, 27]

list after removing Even numbers: [7, 25, 27]

Co2