

# PYTHON ASSIGNMENT 2

## CLASS XII CS

Q1. Find output

i. L1=[500,600]

L2=[35,45]

L1.append(700)

L1.extend(L2)

L1.insert(5,2)

print(L1)

print(L1+L2)

print(L1.index(35))

print(L2\*2)

ii. m=[]

m1=[]

m2=[]

for i in range(6,10):

    m.append(i)

for i in range(10,4,-2):

    m1.append(i)

for i in range(len(m1)):

    m2.append(m[i]+m1[i])

print(m2)

iii.

num=[3,21,5,6,14,8,14,31]

n=len(num)

i=0

while i<n:

    if num[i]%7==0:

        num[i],num[i+1]=num[i+1],num[i]

        i=i+2

    else:

        i+=1

print(num)

iv.

l=[10,'fun',40,'few',50,'full']

for i in range(len(l)):

    if(type(l[i])==int):

        l[i]=l[i]\*\*2

    elif type(l[i])==str:

        l[i]=l[i].capitalize()

print(l)

v.

L=[3,21,5,6,3,8,21,6]

L1=[]

L2=[]

for i in L:

    if i not in L2:

        x=L.count(i)

        L1.append(x)

        L2.append(i)

print('Element\t\t Frequency')

for i in range(len(L1)):

    print(L2[i],'\t\t',L1[i] )

Q2.WAP, Where list 'L' passed as an argument and sum of all values which are ending with 3 from a list.

Q3.WAP to display unique and duplicate items of a given list.[2,7,1,4,9,5,1,4,3]

Q4.Write a Python program to input names of n countries and their capital and currency, store it in a dictionary and display in tabular form. Also search and display for a particular country.