**Activity 2.1**

**Write a program to illustrate iteration over the list.**

list1=[10,10.5,'Apple',34,47]

length=len(list1)

while(1):

    print('\*\*\*\*\*List Iteration\*\*\*\*\*\*\*')

    print('1.Using For loop')

    print('2.Using for with range')

    print('3.Using while')

    print('4.Using List Comprehension')

    print('5.Using Enumeration')

    print('6.Exit')

    m=int(input('Enter your choice'))

    if(m==1):

        for i in list1:

            print(i)

    elif(m==2):

        for i in range(length):

            print(list1[i])

    elif(m==3):

        i=0

        while i < length:

            print(list1[i])

            i += 1

    elif(m==4):

        [print(i) for i in list1]

    elif(m==5):

        for i, val in enumerate(list1):

            print (i, ",",val)

    else:

        print('Exit from the program')

        break