EXERCISE : 8

DATE: 24/11/2020

AIM:

To write a Python program to get numbers and create a list of tuples having first element as the number and second element as the cube of the number and the tuples should be sorted in increasing order by the last element in each tuple.

PROGRAM:

l=[]

n=int(input('number'))

for i in range(0,n):

    ele=int(input())

    l.append(ele)

unsorted=[(val,pow(val,2)) for val in l]

print(unsorted)

l.sort()

result=[(val,pow(val,2)) for val in l]

print(result)

<http://103.53.53.18/mod/vpl/forms/submissionview.php?id=317&userid=1732>

OUTPUT:

3

2

1

3

[(2, 8), (1, 1), (3, 27)]

[(1, 1), (2, 8), (3, 27)]

RESULT:

The above program is executed and output is verified.