**Exercise no:**: 8

**Date:**: 23/11/2020

**Aim:** *To write a python program to get a list of numbers of list and create a list of tuples having first element as the number and second element as the cube of the number , next the line of tuples should be sorted in increasing order by the last element in each tuple from a given list of non-empty tuples.*

**Program:**

. def last(n):

Return n[-1]

Def sort(list\_of\_tuples):

Return sorted(list\_of\_tuples,key=last)

N=int(input())

Lst=[]

Cube=[]

For I in range(n):

A=int(input())

Lst.append(a)

B=a\*a\*a

Cube.append(b)

List\_of\_tuples=list(zip(lst,cube))

Print(list\_of\_tuples)

Print(sort(list\_of\_tuples))

**Link:** [**http://103.53.53.18/mod/vpl/forms/submissionview.php?id=317&userid=1765**](http://103.53.53.18/mod/vpl/forms/submissionview.php?id=317&userid=1765)

**Output:3**

1

3

2

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

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

**Result:**  The output for the program is successfully verified.