**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:**

n=int(input())

lst=[]

for i in range(n):

a=int(input())

lst.append(a)

r=[(j,pow(j,3))for j in lst]

print(r)

def first(n):

return n[0]

r.sort(key=first)

print(r)

**LINK:**

http://103.53.53.18/mod/vpl/forms/submissionview.php?id=317&userid=1750

**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.