

Exercise:8

Date:20/11/2020

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.

PROGRAM:

```
n=int(input())  
lst=[]  
for l in range(n):  
    ap=int(input())  
    lst.append(a)  
r=[(j,pow(j,3))for j in lst]  
print®  
def first(n):  
    return n[0]  
r.sort(key=first)  
print®
```

MOODLE LINK:

<http://103.53.53.18/mod/vpl/forms/edit.php?id=317&userid=1794#>

OUTPUT:

A screenshot of a console window with a grey title bar. The title bar contains a prompt character '>_', a file icon, a keyboard icon, and the text 'Console: connection closed (Running: 8 seg)'. The console area is black with white text. The output consists of five lines: the number '3', the number '1', the number '3', the number '2', and two lines of coordinate pairs in parentheses separated by commas. The first line of pairs is '[(1, 1), (3, 27), (2, 8)]' and the second is '[(1, 1), (2, 8), (3, 27)]'. A white cursor is visible at the end of the second line of pairs.

```
>_ Console: connection closed (Running: 8 seg)
3
1
3
2
[(1, 1), (3, 27), (2, 8)]
[(1, 1), (2, 8), (3, 27)]
```


RESULT:

The 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 is executed and the output is verified.