Find the maximum of a list of numbers

'Aim:

To write a program to find the maximum of a list of numbers.

'Equipment's required:

- 1. Hardware PCs
- 2. Anaconda Python 3.7 Installation / Moodle-Code Runner

Algorithm:

- 1. Get the list of marks as input
- 2. Use the sort() function or max() function or use the for loop to find the maximum mark.
- 3. Return the maximum value

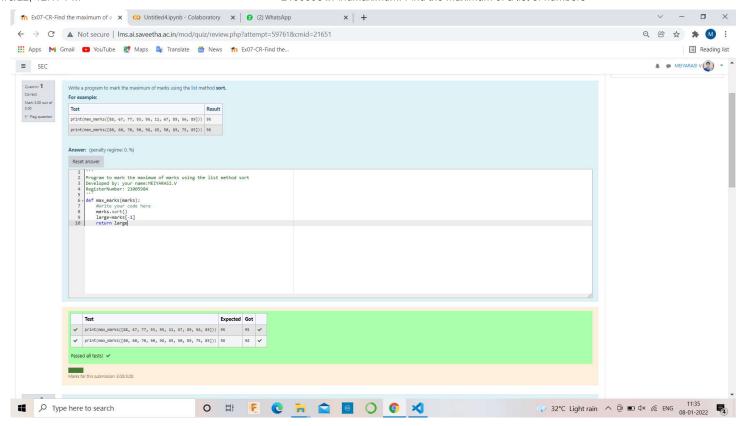
[']Program:

i) # To find the maximum of marks using the list method sort.

```
Program to mark the maximum of marks using the list method sort Developed by: your name:MEIYARASI.V
RegisterNumber: 21005984
```

def max_marks(marks): #Write your code here marks.sort() large=marks[-1] return large

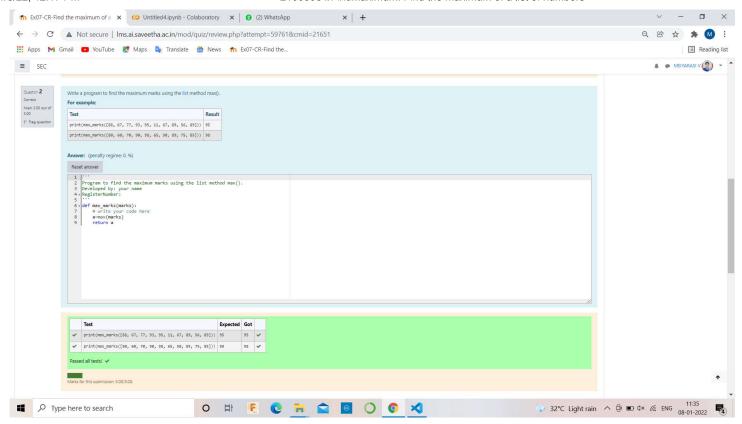
[°]Output:



ii) # To find the maximum marks using the list method max().
```Python
'''
Program to find the maximum marks using the list method max().
Developed by: your name
RegisterNumber:
'''

def max\_marks(marks): # write your code here a=max(marks) return a

### <sup>'</sup>Output:

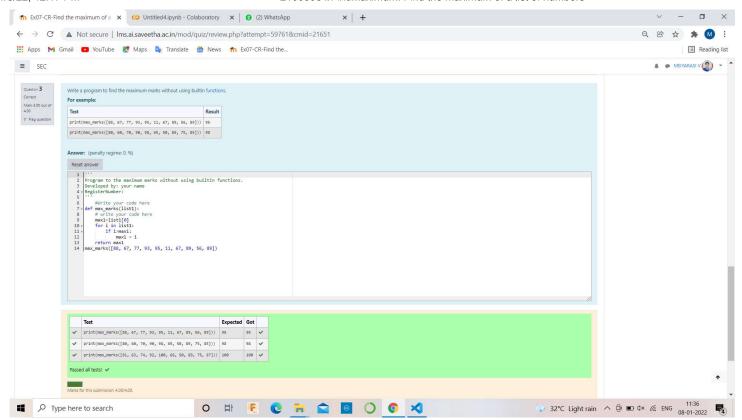


iii) # To find the maximum marks without using builtin functions.
```Python
'''
Program to the maximum marks without using builtin functions.
Developed by: your name
RegisterNumber:
'''

#Write your code here

def max_marks(list1): # write your code here max1=list1[0] for i in list1: if i>max1: max1 = i return max1 max_marks([88, 67, 77, 93, 95, 11, 67, 89, 56, 89])

Output:



Sample Input and Output
![output](./img/max_marks1.jpg)

Output:

Result:

Thus the program to find the maximum of given numbers from the list is written and verified using python programming.