

1h 27m

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1. Python: Average Function

ALL

Implement a function that:

1. Is named *avg*
2. Takes a variable number of integer arguments; it is guaranteed that at least one argument will be passed
3. Returns the average value of the passed arguments as a float

1

2

The implementation will be tested by a provided code stub on several input files. Each input file contains one line with space-separated arguments for the function. The function will be called with those arguments, and the returned result will be printed to the output with exactly 2 decimal places.

Example

3 arguments are read and passed to the function: 1, 2, and 3. The average is calculated to be $(1 + 2 + 3) / 3 = 2.00$. This is then returned as a float to be printed.

Constraints

- $1 \leq$ number of arguments for the function ≤ 100
- $-100 \leq$ value of passed arguments ≤ 100

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1 > #

10 #

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ALL

▼ Input Format Format for Custom Testing

In the first and only line, there are space-separated integers that denote the values to be passed to the function.

▼ Sample Case 0

Sample Input

STDIN	Function
-----	-----
2 5	\rightarrow arguments = [2, 5]

Sample Output

3.50

Explanation

The function will be called with 2 arguments having values 2 and 5. The average of those numbers is 3.5. This value is returned and will be printed to the output with 2 decimal places.

▼ Sample Case 1

Sample Input

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STDIN	Function
-----	-----
2 5	→ arguments = [2, 5]

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Sample Output

ALL

3.50

Explanation

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▼ Sample Case 1

2

Sample Input

STDIN	Function
-----	-----
7	→ arguments = 7

Sample Output

7.00

Explanation

The function will be called with 1 argument with the value 7. The average of one number is the number itself, so 7.0 is returned in this case. That value will be printed to the output with 2 decimal places.

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Python 3



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Function

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ts for the function.

```
1 >#!/bin/python3...
10
11 # write your code here
12 def avg(*nums):
13     print(nums)
14     sumnum=0
15     lennum = len(nums)
16     print(lennum)
17     for ele in nums :
18         sumnum+=ele
19     avgnum=sumnum/lennum
20     return(avgnum)
21
22
23
24 if __name__ == '__main__':
25     fptr = open(os.environ['OUTPUT_PATH'],
26
27
```

Info Python 3

Autocomplete Ready



```
1 > #!/bin/python3...
10 |
11 # write your code here
12 def avg(*nums):
13     print(nums)
14     sumnum=0
15     lennum = len(nums)
16     print(lennum)
17     for ele in nums :
18         sumnum+=ele
19     avgnum=sumnum/lennum
20     return(avgnum)
21
22
23
24 if __name__ == '__main__':
25     fptr = open(os.environ['OUTPUT_PATH'], 'w')
26
27     nums = list(map(int, input().split()))
28     res = avg(*nums)
29
30     fptr.write('%.2f' % res + '\n')
31
32     fptr.close()
```

Line: 10 Co