

Finding the percentage

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Tutorial

The provided code stub will read in a dictionary containing key/value pairs of name:[marks] for a list of students. Print the average of the marks array for the student name provided, showing 2 places after the decimal.

Example

marks key:value pairs are

'alpha': [20, 30, 40]

'beta': [30, 50, 70]

query\_name = 'beta'

The query\_name is 'beta'. beta's average score is  $(30 + 50 + 70)/3 = 50.0$ .

Input Format

The first line contains the integer  $n$ , the number of students' records. The next  $n$  lines contain the names and marks obtained by a student, each value separated by a space. The final line contains query\_name, the name of a student to query.

Constraints

- $2 \leq n \leq 10$
- $0 \leq marks[i] \leq 100$
- length of marks arrays = 3

Output Format

Print one line: The average of the marks obtained by the particular student correct to 2 decimal places.

Sample Input 0

3  
Krishna 67 68 69  
Arjun 70 98 63  
Malika 52 56 60  
Malika

Sample Output 0

56.00

Explanation 0

Marks for Malika are {52,56,60} whose average is  $\frac{52+56+60}{3} \Rightarrow 56$

Sample Input 1

2  
Harsh 25 26.5 28  
Anurag 26 28 30  
Harsh

Sample Output 1

26.50

Author

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Difficulty

Easy

Max Score

10

Submitted By

425366

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Python 3

1 if \_\_name\_\_ == '\_\_main\_\_':

2 n = int(input())

3 student\_marks = {}

4 for \_ in range(n):

5 name, \*line = input().split()

6 scores = list(map(float, line))

7 student\_marks[name] = scores

8 query\_name = input()

9 average = sum(student\_marks[query\_name])/len(student\_marks[query\_name])

10 print("{:.2f}".format(average))

Line: 9 Col: 76

Upload Code as File

Test against custom input

Run Code

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Python

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19%

255/400

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Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Test case 6

Compiler Message

Success

Input (stdin)

3  
Krishna 67 68 69  
Arjun 70 98 63  
Malika 52 56 60  
Malika

Expected Output

56.00

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