

Zipped! ★

52/115 challenges solved

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Python

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`zip([iterable, ...])`

This function returns a list of tuples. The  $i^{\text{th}}$  tuple contains the  $i^{\text{th}}$  element from each of the argument sequences or iterables.

If the argument sequences are of unequal lengths, then the returned list is truncated to the length of the shortest argument sequence.

Sample Code

```
>>> print zip([1,2,3,4,5,6], 'Hacker')
[(1, 'H'), (2, 'a'), (3, 'c'), (4, 'k'), (5, 'e'), (6, 'r')]
>>>
>>> print zip([1,2,3,4,5,6], [0,9,8,7,6,5,4,3,2,1])
[(1, 0), (2, 9), (3, 8), (4, 7), (5, 6), (6, 5)]
>>>
>>> A = [1,2,3]
>>> B = [6,5,4]
>>> C = [7,8,9]
>>> X = [A] + [B] + [C]
>>>
>>> print zip(*X)
[(1, 6, 7), (2, 5, 8), (3, 4, 9)]
```

**Task**

The National University conducts an examination of  $N$  students in  $X$  subjects.

Your task is to compute the average scores of each student.

$$\text{Average score} = \frac{\text{Sum of scores obtained in all subjects by a student}}{\text{Total number of subjects}}$$

The format for the general mark sheet is:

Student ID →	1	2	3	4	5
Subject 1	89	90	78	93	80
Subject 2	90	91	85	88	86
Subject 3	91	92	83	89	90.5
Average	90	91	82	90	85.5

Input Format

The first line contains  $N$  and  $X$  separated by a space.

The next  $X$  lines contains the space separated marks obtained by students in a particular subject.

Constraints

$$0 < N \leq 100$$

$$0 < X \leq 100$$

### Output Format

Print the averages of all students on separate lines.

The averages must be correct up to **1** decimal place.

### Sample Input

```
5 3
89 90 78 93 80
90 91 85 88 86
91 92 83 89 90.5
```

### Sample Output

```
90.0
91.0
82.0
90.0
85.5
```

### Explanation

Marks obtained by **student 1: 89, 90, 91**

Average marks of **student 1:**

$$270/3 = 90$$

Marks obtained by **student 2: 90, 91, 92**

Average marks of **student 2:**

$$273/3 = 91$$

Marks obtained by **student 3: 78, 85, 83**

Average marks of **student 3:**

$$246/3 = 82$$

Marks obtained by **student 4: 93, 88, 89**

Average marks of **student 4:**

$$270/3 = 90$$

Marks obtained by **student 5: 80, 86, 90.5**

Average marks of **student 5:**

$$256.5/3 = 85.5$$

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Language

Python 3



```
1 a,b=map(int,input().split())
2 l=[]
3 for i in range(b):
4     l.append(list(map(float,input().split())))
5
6 for i in zip(*l):
7     print((sum(i)/b))
8
9
```



Line: 1 Col: 29

Upload Code as File

☐ Test against custom input

Run Code

Submit Code

You have earned 10.00 points!

52/115 challenges solved.

45%

Python  
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Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Earn a certificate in Python

Kudos on your progress! Take the HackerRank Skills Certification test and enrich your profile

Get Certified

✔ Test case 0

✔ Test case 1

✔ Test case 2

✔ Test case 3

✔ Test case 4

✔ Test case 5

Compiler Message

Success

Input (stdin) [Download](#)

1	5 3
2	89 90 78 93 80
3	90 91 85 88 86
4	91 92 83 89 90.5

Expected Output [Download](#)

1	90.0
2	91.0
3	82.0



