Min and Max

165 more points to get your gold badge!

Rank: 532542 | Points: 235/400

You have successfully solved Min and Max Сподели Post

You are now 165 points away from the gold level for your python badge.

Try the next challenge | Try a Random Challenge

Problem | Submissions | Leaderboard | Editorial

RATE THIS CHALLENGE

min

The tool min returns the minimum value along a given axis.

```
import numpy

my_array = numpy.array([[2, 5],
                        [3, 7],
                        [1, 3],
                        [4, 0]])

print numpy.min(my_array, axis = 0)        #Output : [1 0]
print numpy.min(my_array, axis = 1)        #Output : [2 3 1 0]
print numpy.min(my_array, axis = None)      #Output : 0
print numpy.min(my_array)                 #Output : 0
```

By default, the axis value is `None`. Therefore, it finds the minimum over all the dimensions of the input array.

max

The tool max returns the maximum value along a given axis.

```
import numpy

my_array = numpy.array([[2, 5],
                        [3, 7],
                        [1, 3],
                        [4, 0]])

print numpy.max(my_array, axis = 0)        #Output : [4 7]
print numpy.max(my_array, axis = 1)        #Output : [5 7 3 4]
print numpy.max(my_array, axis = None)      #Output : 7
print numpy.max(my_array)                 #Output : 7
```

By default, the axis value is `None`. Therefore, it finds the maximum over all the dimensions of the input array.

Task

You are given a 2-D array with dimensions NXM.

Your task is to perform the min function over axis 1 and then find the max of that.

Input Format

The first line of input contains the space separated values of N and M.

The next N lines contains M space separated integers.

Output Format

Compute the min along axis $\mathbf{1}$ and then print the max of that result.

Sample Input

```
4 2
2 5
3 7
1 3
4 0
```

Sample Output

```
3
```

Explanation

The min along axis $\mathbf{1}$ = $[\mathbf{2}, \mathbf{3}, \mathbf{1}, \mathbf{0}]$

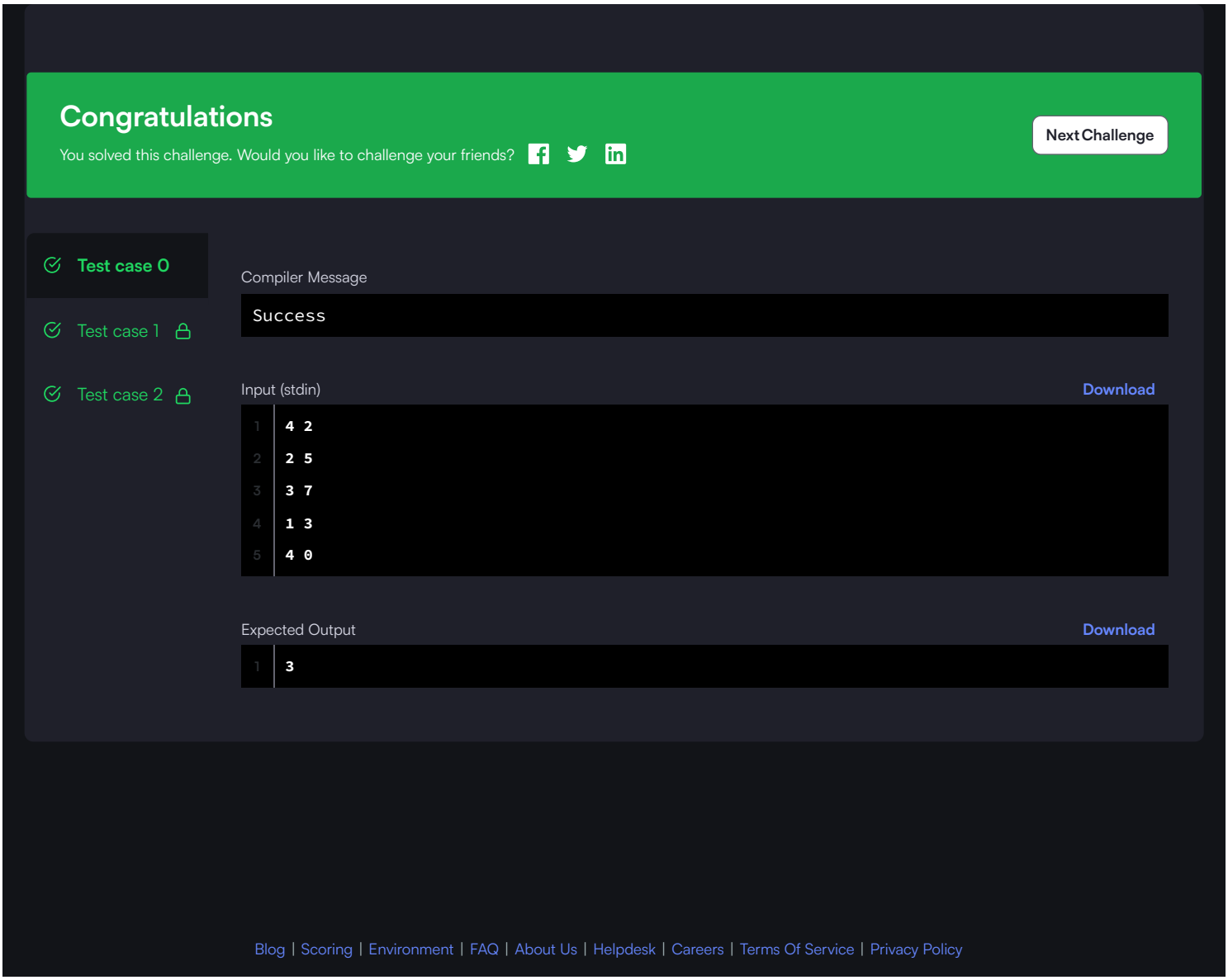
The max of $[\mathbf{2}, \mathbf{3}, \mathbf{1}, \mathbf{0}]$ = $\mathbf{3}$

Change Theme Language Pypy 3

```
# Link = https://www.hackerrank.com/challenges/np-min-and-max/problem

import numpy

my_array = []

row, col = map(int, input().split(" "))

for i in range(row):
    my_array.append(list(map(int, input().split(" "))))

my_array = numpy.array(my_array)

min_array = numpy.min(my_array, axis = 1)
print(numpy.max(min_array))
```

Line: 15 Col: 28

Upload Code as File Test against custom input Run Code Submit Code


Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Test case 2
Compiler Message
Success
Input (stdin)
Download
4 2
2 5
3 7
1 3
4 0
Expected Output
Download
3
Blog | Scoring | Environment | FAQ | About Us | Helpdesk | Careers | Terms Of Service | Privacy Policy