# Min and Max

# **HackerRank**

#### min

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

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.

By default, the axis value is  $\frac{None}{None}$ . Therefore, it finds the maximum over all the dimensions of the input array.

# Task

You are given a 2-D array with dimensions  $N{\sf X}M.$ 

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

1/2

```
Sample Input
   Sample Output
   Explanation
   The \min along axis 1=[2,3,1,0]
   The \ensuremath{\mathit{max}} of [2,3,1,0] = 3
2/2
```

```
Change Theme Language Python 3 
import numpy as np
x,y=input().split()
A=np.array([list(map(int,input().split())) for _ in range(int(x))])
print(max(list(np.min(A,axis=1))))

import numpy as np
rint(max(list(np.min(A,axis=1))))
```