Problem Set 3 Exercise #20: Minimum and Maximum Matrix Elements

Reference: Lecture 9 notes

Learning objective: Two-dimensional array

Estimated completion time: 30 minutes

Problem statement:

Write a program PS3_Ex20_MinMax.java that prints out the minimum and maximum elements of an integer 2D array.

Your program should contain a static method

```
int[] getMinMax(int[][] mtx)
```

that returns the minimum and maximum matrix elements in mtx as a tuple (i.e. array of two elements). The first element of this tuple is the minimum element in mtx and the second element is the maximum.

Sample run #1:

Sample run #2:

```
Enter the size of the matrix: 4 6
Enter elements row by row:
67 50 26 3 35 17
50 26 3 35 67 3
26 3 35 50 67 35
3 26 35 50 67 68
Min = 3
Max = 68
```

Useful tip:

You may copy the input data from the PDF file instead of typing them in manually.