Problem Set 3 Exercise #21: Minimum and Maximum Matrix Elements

Reference: Lecture 9 notes

Learning objectives: Two-dimensional array; Pointers

Estimated completion time: 20 minutes

Problem statement:

Write a program min_max.c that prints out the minimum and maximum elements of an integer 2D array. Your program should contain a function

that returns the minimum and maximum elements in 2D array mtx through two pointers. MAX_ROWS and MAX_COLS are two symbolic constants with value 10. They represent the declared size of mtx. num_rows and num_cols are the actual number of rows and columns to process.

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:

For testing, you may copy input data from the PDF file instead of typing them in manually.