

C program to find maximum element in a row and column

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Algorithm -

Step 1: Start

Step 2: Input m, n

Step 3:  $\text{for } (i = 0; i < m; i++)$   
     $\text{for } (j = 0; j < n; j++)$   
        input  $a[i][j]$

Step 4:  $\text{for } (i = 0; i < m; i++)$   
     $\text{for } (j = 0; j < n; j++)$   
        if  $(a[i][j] > \text{max}[i])$   
             $\text{max}[i] = a[i][j]$

Step 5:  $\text{for } (i = 0; i < m; i++)$   
    Display maximum element in a row

Step 6:  $\text{for } (i = 0; i < n; i++)$   
     $\text{for } (j = 0; j < m; j++)$   
        if  $(a[j][i] > \text{max}[i])$   
             $\text{max}[i] = a[j][i]$

Step 7:  $\text{for } (i = 0; i < n; i++)$   
    Display maximum element in the column

Step 8: Stop



# Flowchart





