JOBS

Searching in a 2D Array

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Write a C Program to read a 2D array. Then, search for a particular given element. If found, display each occurrence of that element with its position(s).

Input Format

- First line specifies the no: of rows (m) and and the no: of columns (n) in the 2D Array.
- Second line contains m*n integers that signify the values for the array.
- Third line specifies the **element to be searched** for.

Constraints

Always make sure that your output has the same spacings as mentioned.

Output Format

- If element found, print "Element found at (row,column)".
- If not found, then print "Element not found".

Sample Input 0

```
2 3
6 1 4 8 2 1
8
```

Sample Output 0

```
Element found at (1,0)
```

Explanation 0

The given matrix would be,

```
6 1 4
8 2 1
```

Element '8' is at the (1,0) position

Sample Input 1

```
2 3 1 8 6 2 3 1
```

Sample Output 1

```
Element found at (0,0)
Element found at (1,2)
```

Explanation 1

The given matrix would be,

1 8 6 2 3 1

Element '1' is present at the (0,0) position and at the position (1,2)

f in Submissions: 37 Max Score: 10 Difficulty: Medium Rate This Challenge: 公公公公公公

```
Current Buffer (saved locally, editable) & 49
                                                                                     C
                                                                                                                        *
 1 🔻
     #include <stdio.h>
 2
     #include <string.h>
 3
     #include <math.h>
 4
     #include <stdlib.h>
 5
     int main()
 6
 7 🔻
 8 🔻
         int m,n,i,j,a[20][20],k,c=0;
 9
         scanf("%d%d",&m,&n);
10
         for(i=0;i<m;i++)
11 🔻
12
             for(j=0;j<n;j++)
13 🔻
14 •
                  scanf("%d",&a[i][j]);
15
16
17
         scanf("%d",&k);
18
         for(i=0;i<m;i++)
19
20 •
21
              for(j=0;j<n;j++)
22 •
23 🔻
                      if(a[i][j]==k)
24 🔻
25
                               printf("Element found at (%d,%d)\n",i,j);
26
                               C++;
27
28
29
30
31
         if(c == 0)
32 •
33
             printf("Element not found");
34
             return 0;
35
36
         return 0;
37
38
39
                                                                                                                 Line: 1 Col: 1
```

<u>**1**</u> <u>Upload Code as File</u> ☐ Test against custom input

Run Code

Submit Code

Congratulations, you passed the sample test case. Click the Submit Code button to run your code against all the test cases. Input (stdin) 2 3 6 1 4 8 2 1 8 Your Output (stdout) Element found at (1,0) Expected Output Element found at (1,0)

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