Problem | Editorial | Submissions

Search in a row-wise sorted matrix

Difficulty: **Easy** Accuracy: **51.77%** Submissions: **36K+** Points: **2**

Given a row-wise sorted 2D matrix **mat[][]** of size **n x m** and an integer **x,** find whether element **x** is present in the matrix.

Note: In a row-wise sorted matrix, each row is sorted in itself, i.e. for any i, j within bounds, mat[i][j] <= mat[i][j+1].

Examples :

Input: mat[][] = [[3, 4, 9],[2, 5, 6],[9, 25, 27]], x = 9
Output: true
Explanation: 9 is present in the matrix, so the output is true.

Input: mat[][] = [[19, 22, 27, 38, 55, 67]], x = 56
Output: false
Explanation: 56 is not present in the matrix, so the output is false.

Input: mat[][] = [[1, 2, 9],[65, 69, 75]], x = 91
Output: false
Explanation: 91 is not present in the matrix.

Java (1.8) | Start Timer

```
1  // } Driver Code Ends
36 class Solution {
37     public boolean searchRowMatrix(int[][] mat, int x) {
38         for(int i=0;i<mat.length;i++){
39             for(int j=0;j<mat[i].length;j++){
40                 if(mat[i][j]==x){
41                     return true;
42                 }
43             }
44         }
45         return false;
46     }
47 }
48
```

Custom Input | Compile & Run | Submit