Search in a sorted Matrix

Given a strictly sorted 2D matrix **mat**[][] of size **n x m** and a number **x.** Find whether the number **x** is present in the matrix or not.

Note: In a strictly sorted matrix, each row is sorted in strictly increasing order, and the first element of the **i**th row (**i**!=0) is greater than the last element of the (**i-1**)th row.

Examples:

Input: mat[][] = [[1, 5, 9], [14, 20, 21], [30, 34, 43]], x = 14

Output: true

Explanation: 14 is present in the matrix, so output is true.

Input: mat[][] = [[1, 5, 9, 11], [14, 20, 21, 26], [30, 34, 43, 50]], x = 42
Output: false

Explanation: 42 is not present in the matrix.

Input: mat[][] = [[87, 96, 99], [101, 103, 111]], x = 101
Output: true

Explanation: 101 is present in the matrix.

Constraints:
1 <= n, m <= 1000
1 <= mat[i][j] <= 10^9
1 <= x <= 10^9