LAB 6: PRACTICE QUESTIONS ON 2D ARRAYS

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Input: Number of rows, number of columns, search key, elements of the array.

Output: If the element is found in the array print its index and if not found display the message" Not found".

Sample input 1:

236126456

Sample output 1:

0,2

1,2

Sample input 2:

2261234

Sample output 2:

Not found

Write a program using Java to check whether a matrix is upper triangular.

Input: Number of rows, number of columns, elements of the matrix.

Output: Display whether the matrix is upper triangular or not.

Sample input 1:

33123045006

Sample output 2:

Matrix is upper triangular

Sample input 1:

33123456779

Sample output 2:

Matrix is not upper triangular

Write a program using Java to display the sum of elements in the rows and the sum of elements in the columns of a matrix.

Input: Number of rows, number of columns, elements of the matrix.

Output: The sum of elements in each row and each column

Sample input:

2

3

1

2

3

4

5

Sample Output:

Row 0 6

Row 1 15

Column 0 5

Column 17

Coulumn 2 9