**CODE:**

#include<stdio.h>

#include<stdlib.h>

#include<stdbool.h>

bool searchMatrix(int\*\* matrix, int matrixSize, int matrixColSize, int target){

int i,j;

int c = matrixColSize;

for (int i = 0; i < matrixSize; i++)

for (int j = 0; j < c; j++)

if (matrix[i][j] == target)

return true;

return false;

}

void main()

{

int r,c;

int i,j,t;

printf("\nEnter the size of the array: ");

scanf("%d",&r);

printf("\nEnter the column size: ");

scanf("%d",&c);

printf("\nEnter the array elements (in Ascending Order): \n");

int nums[r][c];

for( i=0;i<r;i++)

{

for(j=0;j<c;j++)

scanf("%d",nums[i][j]);

// printf("\n%d",\*(nums+i));

}

printf("\nEnter the element to be found: ");

scanf("%d",&t);

printf("\nIs the element found in the matrix: ");

if(searchMatrix(nums,r,c,t)==true)

{

printf("True");

}

else

printf("False");

}

**OUTPUT:**

