TRANSPOSE OF A MATRIX

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// Sample code to perform I/O:

#include <stdio.h>

int main(){

    int num;

    scanf("%d", &num);             // Reading input from STDIN

    printf("Input number is %d.\n", num); // Writing output to STDOUT

}

// Warning: Printing unwanted or ill-formatted data to output will cause the test cases to fail

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// Write your code here

#include<stdio.h>

int main (void)

{

    int r = 0 ;

    scanf("%d",&r) ;

    int c = 0 ;

    scanf("%d",&c) ;

    int i = 0 ;

    int j = 0 ;

    int a[10][10] ;

    int transpose[10][10] ;

    for(i = 0; i < r; ++i)

    {   for(j = 0; j < c; ++j)

        {

            scanf("%d",&a[i][j]) ;

        }

    }

    for(i = 0; i < r; ++i )

    {

        for(j = 0; j < c; ++j)

        {

            transpose[j][i] = a[i][j] ;

        }

    }

    for(i = 0; i < c; ++i)

    {

        for(j = 0; j < r; ++j)

        {

            printf("%d ",transpose[i][j]) ;

            if(j == r-1)

            {

                printf("\n") ;

            }

        }

    }

return 0 ;

}

**Input**

3 5

13 4 8 14 1

9 6 3 7 21

5 12 17 9 3

**Your Code's Output**

13 9 5

4 6 12

8 3 17

14 7 9

1 21 3

**Expected Correct Output**

13 9 5

4 6 12

8 3 17

14 7 9

1 21 3