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File Edit Selection View Go Run Terminal Help  
● Area.java ● account.java ● main matrix.java X ● circle demo.java ● main actor.java  
C: > Users > Ajith > Desktop > java program > ● main matrix.java  
1 import java.util.Scanner;  
2 class Matrix  
3 {  
4     int a[][];  
5     int r,c;  
6     void Accept()  
7     {  
8         Scanner sc=new Scanner(System.in);  
9         System.out.println("Enter the number of rows and columns of the matrix");  
10        r=sc.nextInt();  
11        c=sc.nextInt();  
12        a=new int[r][c];  
13        System.out.println("Enter value into the matrix");  
14        for(int i=0;i<r;i++)  
15        {  
16            for(int j=0;j<c;j++)  
17                a[i][j]=sc.nextInt();  
18        }  
19    }  
20    void Transpose()  
21    {  
22        System.out.println("The entered matrix ");  
23        for(int i=0;i<r;i++)  
24        {  
25            for(int j=0;j<c;j++)  
26            {  
27                System.out.print(a[i][j]+ " ");  
28            }  
29            System.out.println("");  
30        }  
31    }  
32    System.out.println("The matrix after transpose ");  
33    for(int i=0;i<c;i++)  
34    {  
35        for(int j=0;j<r;j++)  
36        {  
37            System.out.print(a[i][j]+ " ");  
38        }  
39    }  
40 Δ0 Type here to search
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23   for(int i=0;i<r;i++)
24   {
25       for(int j=0;j<c;j++)
26       {
27           System.out.print(a[i][j]+ " ");
28       }
29       System.out.println("");
30   }
31
32 System.out.println("The matrix after transpose ");
33
34 for(int i=0;i<c;i++)
35 {
36     for(int j=0;j<r;j++)
37     {
38         System.out.print(a[j][i]+ " ");
39     }
40     System.out.println("");
41 }
42 }
43 class MainMatrix
44 {
45     public static void main(String args[])
46     {
47         Matrix m=new Matrix();
48         m.Accept();
49         m.Transpose();
50     }
51 }
52
53
```



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