File Edit Selection View Go Run Terminal Help — Matrixmain.java - Visual Studio Code

Welcome | CircledemoMain.java | ActorMain.java | clmain.java | Matrixmain.java

c: > Users > Appy > Desktop > java lab > Matrixmain.java

```java
import java.util.*;
class Matrix
{
    public static void main(String args[])
    {
        int m,n,i,j;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the value of rows and coloumns:");
        m = sc.nextInt();
        n = sc.nextInt();
        int matrix[][]= new int[m][n];
        for(i=0;i<m;i++)
        {
            for(j=0;j<n;j++)
            {
                System.out.println("enter the element:"+i + j);
                matrix[i][j]= sc.nextInt();
            }
        }
        System.out.println("Inputted matrix:\n");
        for(i=0;i<m;i++)
        {
            for(j=0;j<n;j++)
            {
                System.out.print(matrix[i][j]+"\t");
            }
            System.out.println();
        }
        int transpose[][]= new int[n][m];
        for(i=0;i<m;i++)
        {
            for(j=0;j<n;j++)
            {
```

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```
C:\Users\Appy\Desktop\java lab>java M
atrix
Enter the value of rows and coloumns:

4 3
enter the element:00
1
enter the element:01
2
enter the element:02
3
enter the element:10
4
enter the element:11
5
enter the element:12
6
enter the element:20
7
enter the element:21
8
enter the element:22

9
enter the element:30
10
enter the element:31
11
enter the element:32
12
Inputted matrix:

1       2       3
4       5       6
7       8       9
10      11      12
Transpose matrix:

1       4       7       10
2       5       8       11
3       6       9       12

C:\Users\Appy\Desktop\java lab>
```


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```
18              }
19          }
20          System.out.println("Inputted matrix:\n");
21          for(i=0;i<m;i++)
22          {
23              for(j=0;j<n;j++)
24              {
25                  System.out.print(matrix[i][j]+"\t");
26              }
27              System.out.println();
28          }
29          int transpose[][]= new int[n][m];
30          for(i=0;i<m;i++)
31          {
32              for(j=0;j<n;j++)
33              {
34                  transpose[j][i]=matrix[i][j] ;
35              }
36          }
37          System.out.println("Transpose matrix:\n");
38          for(i=0;i<n;i++)
39          {
40              for(j=0;j<m;j++)
41              {
42                  System.out.print(transpose[i][j]+"\t");
43              }
44              System.out.println();
45          }
46
47      }
48
49
```

⊗ 0 ⚠ 0

C:\WINDOWS\system32\c...

```
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