

The image shows a screenshot of an IDE with the following components:

- Menu Bar:** File, Edit, View, Navigate, Code, Analyze, Refactor, Build, Run, Tools, VCS, Window, Help.
- Project Explorer:** firstJavaProgram, src, com, company, Transpose.
- Editor:** Transpose.java (selected), RowColumn.java.
- Code:**

```
1 package com.company;
2 import java.util.Scanner;
3 public class Transpose{
4     public static void main(String[] args){
5         Scanner s=new Scanner(System.in);
6         int r,c;
7         System.out.println("Enter the number of rows:");
8         r=s.nextInt();
9         System.out.println("Enter the number of columns:");
10        c=s.nextInt();
11        int[][] a=new int[r][c];
12        int[][] b=new int[c][r];
13        for (int i=0;i<r;i++){
14            for (int j=0;j<c;j++){
15                System.out.printf("Input a[%d][%d]=" ,i,j);
16                a[i][j]=s.nextInt();
17            }
18        }
19        for (int i=0;i<r;i++){
20            for (int j=0;j<c;j++){
21                b[j][i]=a[i][j];
22            }
23        }
24        System.out.println("Transpose of the matrix:");
25        for (int i=0;i<c;i++){
26            for (int j=0;j<r;j++){
27                System.out.print(b[i][j]+" ");
```
- Run:** Inheri2_abstract, Transpose.

```
19     for (int i=0;i<r;i++){
20         for (int j=0;j<c;j++){
21             b[j][i]=a[i][j];
22         }
23     }
24     System.out.println("Transpose of the matrix:");
25     for (int i=0;i<c;i++){
26         for (int j=0;j<r;j++){
27             System.out.print(b[i][j]+" ");
28         }
29         System.out.println();
30     }
31 }
32 }
33
```

2: Favorites
I: Structure

Run: Inheri2_abstract x Transpose x

"C:\Program Files\Java\jdk1.8.0_261\bin\java.exe" ...

Enter the number of rows:

2

Enter the number of columns:

3

Input a[0][0]=1

Input a[0][1]=2

Input a[0][2]=3

Input a[1][0]=4

Input a[1][1]=5

Input a[1][2]=6

Transpose of the matrix:

1 4

2 5

3 6

Process finished with exit code 0

Run TODO Problems Terminal Build

Build completed successfully in 1 s 749 ms (2 minutes ago)