

```
1  import java.util.Scanner;
2  public class Main
3  {
4      Run | Debug
5      public static void main(String[] args) {
6          int i,j,k=1;
7          Scanner scan=new Scanner(System.in);
8          System.out.print("Enter the order of matrix(rows column): ");
9          int m = scan.nextInt();
10         int n = scan.nextInt();
11
12         System.out.println("Enter the elements of matrix: ");
13         System.out.println();
14         int twoD[][]=new int[m][n];
15         for(i=0; i<m; i++){
16             for(j=0; j<n; j++){
17                 int x = scan.nextInt();
18                 twoD[i][j] = x;
19             }
20             System.out.println("The matrix is: ");
21             for(i=0; i<m;i++){
22                 for(j=0; j<n; j++)
23                     System.out.print(twoD[i][j]+ " ");
24                 System.out.println();
25             }
26
27             System.out.println("The transposed matrix is: ");
28             for(i=0; i<n;i++){
29                 for(j=0; j<m; j++)
30                     System.out.print(twoD[j][i]+ " ");
31                 System.out.println();
32             }
33     }
```



PROBLEMS

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OUTPUT

DEBUG CONSOLE

TERMINAL

```
/Library/Java/JavaVirtualMachines/adoptopenjdk-15.jdk/Cont  
bhavyasingh@Bhavyas-MacBook-Pro ~ % /Library/Java/JavaVirt  
sc0000gn/T/vscodesws_5bb30/jdt_ws/jdt.ls-java-project/bin M  
Enter the order of matrix(rows column): 3 3  
Enter the elements of matrix:
```

```
2 4 5 7 8 9 12 16 18
```

```
The matrix is:
```

```
2 4 5
```

```
7 8 9
```

```
12 16 18
```

```
The transposed matrix is:
```

```
2 7 12
```

```
4 8 16
```

```
5 9 18
```

```
bhavyasingh@Bhavyas-MacBook-Pro ~ %
```