

```
1 //to create an image matrix from the original matrix
2 import java.util.Scanner;
3 class image
4 {
5     public static void main()
6     {
7         //creating an instance of the scanner class
8         Scanner sc=new Scanner(System.in);
9         System.out.println("Enter row and column size");
10        //reads number of rows
11        int m=sc.nextInt();
12        //reads number of columns
13        int n=sc.nextInt();
14        int original[][]=new int[m][n];
15        //array to store mirror image
16        int image[][]=new int[m][n];
17        System.out.println("Enter elements of original matrix");
18        //read array elements for nth row
19        for(int i=0;i<m;i++)
20        {
21            System.out.println("Enter row" + (i+1) + ":" );
22            for (int j=0;j<n;j++)
23            {
24                original[i][j]=sc.nextInt();
25            }
26        }
27        //prints the input array
28        System.out.println("Input array:");
29        for ( int i=0;i<m;i++)
30        {
31            for ( int j=0; j<n;j++)
32            {
33                System.out.print(original[i][j]+\t");
34            }
35            System.out.println();
36        }
37
38        //interchanging matrix elements
39        for (int j=0; j<n;j++)
40        {
41            for (int i=0;i<m;i++)
42            {
43                image[i][n-1-j]=original[i][j];
44            }
45        }
46        //prints mirror image of the given matrix
47        System.out.println("Mirror image of array");
48        for ( int i=0;i<m;i++)
```

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49 | {  
50 |     for ( int j=0; j<n;j++)  
51 |     {  
52 |         System.out.print(image[i][j]+\t");  
53 |     }  
54 |     System.out.println();  
55 | }  
56 //main ends  
57 }  
//class ends
```