

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

```
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 }
57 //main ends
//class ends
```