

```
1 package com.teja;
2
3 public class
  Matrix_Boundary_Traversal
  {
4     public static void
main(String[] args) {
5         int[][] matrix={
6             {1},
7             {2},
8             {3},
9             {4}
10        };
11
    Boundary_Traversal(matrix
    );
12    }
13    static void
Boundary_Traversal(int
    [][] mat){
14        int R=mat.length,C
```

```
14 =mat[0].length;
15         System.out.
        println("R is "+R );
16         System.out.
        println("C is "+ C);
17         if(C==1 && R!=1){
18             for (int[]
        ints : mat) {
19                 System.out
        .print(ints[0] + " ");
20             }
21         }
22         else if(R==1 && C
        !=1){
23             for(int i=0;i<
        C;i++){
24                 System.out
        .print(mat[0][i]+" ");
25             }
26         }
27         else{
```

```
28         for(int i=0;i<
    C;i++){
29             System.out
    .print(mat[0][i]+" ");
30         }
31         for(int i=1;i<
    R;i++){
32             System.out
    .print(mat[i][C-1]+" ");
33         }
34         for(int i=C-2;
    i>=0;i--){
35             System.out
    .print(mat[R-1][i]+" ");
36         }
37         for(int i=R-2;
    i>0;i--){
38             System.out
    .print(mat[i][0]+" ");
39         }
40     }
```

41

42            }

43    }

44