

```
1 package Array2D;
2
3 import java.util.Scanner;
4 // program to find sum of elements of each row
5 public class RowSum {
6     public static void main(String[] args) {
7
8         int arr[][] = new int[3][3];
9         Scanner in = new Scanner(System.in);
10        for (int i = 0; i < arr.length; i++) {
11            for (int j = 0; j < arr[i].length; j
12            ++) {
13                arr[i][j] = in.nextInt();
14            }
15
16            int[] rowSum = new int[arr.length];
17            int sum = 0;
18            for (int i = 0; i < arr.length; i++) {
19                for (int j = 0; j < arr[i].length; j
20                ++) {
21                    sum += arr[i][j];
22                }
23                rowSum[i] = sum;
24            }
25
26            System.out.print("Sum of elements in the
27            row is ");
28            for (int i = 0; i < rowSum.length; i++) {
29                System.out.print(rowSum[i] + " ");
30            }
31            System.out.println();
32        }
33    }
34}
```

```
1 package Array2D;
2
3 //program to find minimum and maximum element of
each row
4
5 import java.util.Scanner;
6
7 public class RowMinMax {
8
9     public static void main(String[] args) {
10
11         int arr[][] = new int[3][3];
12         Scanner in = new Scanner(System.in);
13         for (int i = 0; i < arr.length; i++) {
14             for (int j = 0; j < arr[i].length; j
15 ++) {
16                 arr[i][j] = in.nextInt();
17             }
18         }
19
20         int min;
21         int max;
22
23         for (int i = 0; i < arr.length; i++) {
24             min = arr[i][0];
25             max = arr[i][0];
26             for (int j = 0; j < arr[i].length; j
27 ++) {
28                 if (arr[i][j] > max){
29                     max = arr[i][j];
30                 }
31                 if (arr[i][j] < min){
32                     min = arr[i][j];
33                 }
34             }
35             System.out.println("Minimum and maximum
36 for row" + i+1);
37             System.out.println("Minimum = "+min +"
38 Maximum = " + max);
39         }
40     }
41 }
```

```
37         }  
38     }  
39 }  
40
```

```
1 package Array2D;
2
3 import java.util.Scanner;
4
5 public class InputOutput {
6     public static void main(String[] args) {
7         int arr[][] = new int[3][3];
8         Scanner in = new Scanner(System.in);
9         for (int i = 0; i < arr.length; i++) {
10             for (int j = 0; j < arr[i].length; j
11 ++) {
12                 arr[i][j] = in.nextInt();
13             }
14         }
15 }
16
```