

```

1  import java.util.*;
2
3  class arrayRecursive{
4
5      public static void IterativePrint(int arrayRef[], int size){
6
7          for (int index = 0; index < size; index++){
8              System.out.print(arrayRef[index] + " ");
9
10             System.out.println();
11
12         }
13
14
15     public static void RecursivePrint(int arrayPtr[], int size, int printIndex){
16
17         if (printIndex == size){
18             System.out.println();
19             return;
20
21         }
22
23         System.out.print(arrayPtr[printIndex] + " ");
24
25         RecursivePrint(arrayPtr, size, printIndex+1);
26
27         System.out.print(arrayPtr[printIndex] + " ");
28
29     }
30
31     public static void main(String[] args){
32
33         Scanner input = new Scanner(System.in);
34
35         int arraySize;
36         System.out.print("Enter an array size: ");
37         arraySize = input.nextInt();
38
39         int maxValue;
40         System.out.print("Enter the max. value of an element: ");
41         maxValue = input.nextInt();
42
43         Random randGen = new Random(System.currentTimeMillis());
44
45         int array[] = new int[arraySize];
46
47         for (int i = 0; i < arraySize; i++){
48             array[i] = randGen.nextInt(maxValue);
49         }
50
51         System.out.print("IterativePrint: ");
52         IterativePrint(array, arraySize);
53
54
55         System.out.println("RecursivePrint: ");
56         RecursivePrint(array, arraySize, 0);
57
58     }
59 }

```

```

Enter an array size: 10
Enter the max. value of an element: 50
IterativePrint: 26 8 10 29 39 29 20 25 27 49
RecursivePrint:
26 8 10 29 39 29 20 25 27 49
49 27 25 20 29 39 29 10 8 26

```