

# SimpleDataStructureDemo.java

```
1 package class5;
2
3 import java.util.ArrayList;
4
5 public class SimpleDataStructureDemo {
6
7     public static void main(String[] args) {
8         // array
9         System.out.println("----- ARRAY -----");
10        int[] lotsOfNumbers = new int[5];
11        lotsOfNumbers[0] = 5;
12        lotsOfNumbers[1] = 10;
13        lotsOfNumbers[2] = 15;
14        lotsOfNumbers[3] = 20;
15        lotsOfNumbers[4] = 25;
16        System.out.println(lotsOfNumbers[0] + ", " + lotsOfNumbers[1] + ", " +
17        lotsOfNumbers[2] + ", " +
18        lotsOfNumbers[3] + ", " + lotsOfNumbers[4]);
19
20        // array initializer list
21        System.out.println("----- ARRAY INITIALIZER LIST
22        -----");
23        int[] lotsOfNumbers2 = {10, 20, 30, 40, 50};
24        System.out.println(lotsOfNumbers2[0] + ", " + lotsOfNumbers2[1] + ", " +
25        lotsOfNumbers2[2] + ", " +
26        lotsOfNumbers2[3] + ", " + lotsOfNumbers2[4]);
27
28        // arraylist
29        System.out.println("----- ARRAYLIST -----");
30        ArrayList<Integer> allNumbers = new ArrayList<Integer>();
31        allNumbers.add(100);
32        allNumbers.add(200);
33        allNumbers.add(300);
34        allNumbers.add(400);
35        allNumbers.add(500);
36        System.out.println(allNumbers.get(0) + ", " + allNumbers.get(1) + ", " +
37        allNumbers.get(2) + ", " +
38        allNumbers.get(3) + ", " + allNumbers.get(4));
39    } // end main
40} // end SimpleDataStructureDemo
```