

```

1 package ch.publiccept;
2
3 /**
4  * Main
5  * main(String[] args)
6  *
7  * printArray(int[] array)
8  *
9  * @author created by Urs Albisser, on 2019-12-29
10 * @version 0.0.1
11 */
12 public class Main {
13
14     /**
15      * main()
16      * Test Arrays
17      * @param args args
18      */
19     public static void main(String[] args) {
20
21         int[] myFirstIntArray = new int[25]; // declare and initialize array with 25 elements
22         System.out.println("myFirstIntArray.length = " + myFirstIntArray.length); // myFirstIntArray.length = 25
23
24         int[] myIntArray = {1,2,3,4,5,6,7,8,9,10}; // declare and initialize array with 10 initialized elements
25         myIntArray[5] = 50; // element 6 = 50
26         double[] myDoubleArray = new double[10]; // declare and initialize array with 10 elements
27
28         System.out.println("Element 0 in Array: " + myIntArray[0]); // 1
29         System.out.println("Element 7 in Array: " + myIntArray[5]); // 6
30         System.out.println("Element 9 in Array: " + myIntArray[9]); // 10
31         System.out.println();
32
33         // initialize myIntArray using a for loop
34         for(int i=0; i<10; i++) {
35             for(int i=0; i<myIntArray.length; i++) {
36                 myIntArray[i] = i * 10;
37             }
38
39             printArray(myIntArray); // Print myIntArray using the method printArray
40
41         }
42
43     /**
44      * printArray()
45      * Print an array to the console
46      * @param array
47      */
48     public static void printArray(int[] array) {
49
50         for(int i=0; i<array.length; i++) {
51             System.out.println("Element " + i + ", value is " + array[i]);
52         }
53     }
54 }
55

```