```java
public class ArrayExample {

    public static void main(String[] args){
        /*
         * An array is an object that can store multiple values of the same type
         * It has a fixed size that is set when it is created
         *
         * Every value in the array has an index, just like how every char in a String has an index
         *
         * The first index is 0, and the last is the size of the array - 1
         */

        int[] numbers = new int[5]; // creates an array of ints with 5 spaces.
                                    // They all have the value 0 by default

        //This is the long way to print out all of the ints in numbers
        System.out.println(numbers[0]);
        System.out.println(numbers[1]);
        System.out.println(numbers[2]);
        System.out.println(numbers[3]);
        System.out.println(numbers[4]);

        // This is the shorter way:
        for(int i = 0; i < numbers.length; i++){ // numbers.length is the way to find
                                                  // how many spaces are in the array
                                                  // it is not a method, so it does not have ()

            System.out.println(numbers[i]);
        }
        // This changes the value at index 3 to 100:
        numbers[3] = 100;
    }
}
```