

PARALLEL ARRAYS

zyBook 6.5

PARALLEL ARRAYS

Parallel arrays are arrays with the same size that are used to store related lists of items.

EXAMPLE - DELIVERY TIMES

- Array for zipcodes, zipcodes
- Array for delivery times for a given zipcodes, delivery Times
- If zipcodeA is listed in index 1 of zipcodes. Then the delivery time for zipcodeA would be listed in index 1 of deliveryTimes

```
import java.util.*;
   // Author: Suzanne Balik
   public class DeliveryTime {
       public static final int[] zipcodes = { 27603, 27605, 27606, 27607, 27608, 27695 };
       public static final int[] deliveryTimes = { 20, 15, 20, 20, 15, 10 };
       public static void main(String[] args) {
           Scanner scnr = new Scanner(System.in);
 9
           System.out.print("Zipcode: ");
10
           if (scnr.hasNextInt()) {
11
                int zipcode = scnr.nextInt();
12
               boolean found = false;
               for (int i = 0; i < zipcodes.length && !found; i++) {
13
14
                    if (zipcode == zipcodes[i]) {
15
                       found = true;
16
                        System.out.println("Delivery time: " + deliveryTimes[i]
17
19
                if (!found) {
20
                    System.out.println("Sorry, no delivery to that zipcode");
21
           } else {
22
                scnr.next();
24
                System.out.println("Invalid zipcode");
25
26
27
   $ java -cp bin DeliveryTime
   Zipcode: 27695
   Delivery time: 10 min
   $ java -cp bin DeliveryTime
   Zipcode: 27613
   Sorry, no delivery to that zipcode
   $ java -cp bin DeliveryTime
   Zipcode: nc
   Invalid zipcode
```