

Complete the challenge below to put the digits of a number in an ArrayList.

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Pair?

```
1 //Code by Akshat Garg
2 import java.util.*;
3
4 public class Digits
5 {
6     /** A list of digits */
7     private ArrayList<Integer> digitList;
8
9     /** Constructs a list of digits from the given number */
10    public Digits(int number)
11    {
12        // initialize digitList to an empty ArrayList of Integers
13        digitList = new ArrayList<Integer>();
14        // Use a while loop to add each digit in number to digitList
15        while ((number)>0){
16            digitList.add(number%10);
17            number = number/10;
18        }
19        // Use Collections.reverse(digitList); to reverse the digits
20        Collections.reverse(digitList);
21    }
22
23    /** returns the string representation of the digits list */
24    public String toString()
25    {
26        return digitList.toString();
27    }
28
29    public static void main(String[] args)
30    {
31        Digits d1 = new Digits(154);
32        System.out.println(d1);
33    }
34 }
35
36
```

[1, 5, 4]

Result	Expected	Actual	Notes
Pass	[1, 5, 4]	[1, 5, 4]	Digits(154)
Pass	[1, 2, 3, 4, 5, 6]	[1, 2, 3, 4, 5, 6]	Digits(123456)

You got 2 out of 2 correct. 100.00%

Activity: 7.1.3.2 ActiveCode (challenge-7-1-digits)

I had a lot of trouble with the arrayList definition, and I was stuck with the `ArrayList<Integer>` in front of line 13. This made it so that `digitList`, a local variable, was being added to, and the class variable remained empty as it was defined in line 7. Then, when I used print statements to debug and saw that it was printing correctly, I got errors from line 26, which was referencing the class variable. Tweaking around a little, I realized the mistake and that there were two different variables, and removed that section. Worked perfectly afterward.