

```
1 public class MyString {
2     public static void main(String []args) {
3         // Calls parseInt, and adds 1 to the returned value,
4         // to verify that the returned value is indeed the correct int.
5         System.out.println(parseInt("5613") + 1);
6         System.out.println(parseInt("9a7"));
7     }
8
9     /**
10    * Returns the integer value of the given string of digit characters,
11    * or -1 if the string contains one or more non-digit characters.
12    */
13    public static int parseInt(String str) {
14        int num = 0;
15        for(int i = 0; i < str.length(); i++) {
16            if(str.charAt(i) >= 48 && str.charAt(i) <= 57) {
17                num = num * 10 + str.charAt(i) - 48;
18            } else {
19                return -1;
20            }
21        }
22
23        return num;
24    }
25 }
```