

```

1 // Reads values into an array from a text file.
2 // Test file has one value per line
3
4 import java.util.Scanner;
5 import java.io.*;
6
7 public class CriticalOne
8 {
9     public static void main (String[]args) throws IOException
10    {
11        Scanner myScannerFile = new Scanner(new File("myTextFile.txt"));
12        String line;
13        int counter = 0; // count the number of values in the text file
14        int num = 0;
15        int[] myIntArr = new int[10]; // Array must be bigger than the file
16
17        while (myScannerFile.hasNext()) // Reads for as long as the file is not complete
18        {
19            line = myScannerFile.nextLine(); // hasLine reads the whole line as a String
20            num = Integer.parseInt(line); // cast the String to int
21            myIntArr[counter] = num; // assigns the number into the next position in the array
22
23            counter = counter + 1;
24        }
25
26        for (int i = 0; i < counter; i++)
27            System.out.println("Number " + i + " is " + myIntArr[i]);
28
29    } // end main
30 } // end class
31
32 Text file looks like this
33 =====
34 34
35 54
36 67
37 54
38 56
39 76
40
41 Output looks like this
42 =====
43 | Number 0 is 34
44 | Number 1 is 54
45 | Number 2 is 67
46 | Number 3 is 54
47 | Number 4 is 56
48 | Number 5 is 76
49 |

```