Java → Basic syntax and simple programs → Control flow statements → The while and do-while loops

The while and do-while loops → The largest element of a sequence

📶 Medium 　 🕐 7 minutes 　 ⊘

Given the sequence of positive integer numbers (which ends with the number 0). Find the largest element of the sequence.

The number 0 itself is not included in the sequence but serves only as a sign of the sequence's end.

📝 Report a typo

Sample Input 1:

```
1
7
9
0
```

Sample Output 1:

```
9
```

↳ Write a program

Code Editor　　　**IDE**

```Java
1  import java.util.Scanner;
2  class Main {
3      public static void main(String[] args) {
4          // put your code here
5          Scanner scanner = new Scanner(System.in);
6
7          int max = 0;
8          int number;
9          do {
10             number = scanner.nextInt();
11             max = number > max ? number : max;
12         } while (number != 0);
13         System.out.println(max);
14         scanner.close();
15     }
16 }
17
```

✔ Correct.

That's an awesome solution! What do you think about showing it off? **Post it to Solutions** so other learners can enjoy it too.

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