Boxing and unboxing → Safe converting

▪ Medium   🕐 6 minutes   ⃝

Implement a method for converting a `Long` value to `int` (primitive type) according to the following rules:

- if the given value is `null` the method should return the default value for ints;
- if the given value is greater than `Integer.MAX_VALUE` the method should return the max value for ints;
- if the given value is lesser than `Integer.MIN_VALUE` the method should return the min value for ints;
- otherwise, the method should return the same value as the passed argument.

🗐 Report a typo

↧ Write a program

Code Editor   IDE

```java
import java.util.Scanner;

public class Main {

    public static int convert(Long val) {
        // write your code here
        if (val != null) {
            if (val > Integer.MAX_VALUE) {
                return (int) Integer.MAX_VALUE;
            } else if (val < Integer.MIN_VALUE) {
                return (int) Integer.MIN_VALUE;
            } else {
                return val.intValue();
            }
        } else {
            return 0;
        }
    }

    /* Do not change code below */
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        String val = scanner.nextLine();
        Long longVal = "null".equals(val) ? null : Long.parseLong(val);
        System.out.println(convert(longVal));
    }
}
```

✓ 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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😍   🙂   😐   🙁   😠

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