Overloading → Overloading methods

Medium 3 minutes

Given a method that takes a long value and returns the max value of the long type minus the given number.

```
public static long getMaxMinusCurrent(long val) {
    return Long.MAX_VALUE - val;
}
```

Overload this method with one new method. The method should take an `int` and return the max value of the `int` type minus the given value.

For the method, the type of result value must be the same as the type of the parameter.

Report a typo

Sample Input 1:

```
long
10
```

Sample Output 1:

```
9223372036854775797
```

Sample Input 2:

```
int
8
```

Sample Output 2:

```
2147483639
```

Write a program

Code Editor IDE

Java

```
import java.util.Scanner;

public class Main {

    public static long getMaxMinusCurrent(long val) {
        return Long.MAX_VALUE - val;
    }


    // write a method here
    // public static ...
    public static int getMaxMinusCurrent(int val) {
        return Integer.MAX_VALUE - val;
    }
    // Do not change code below

    public static void main(String[] args) {
        final Scanner scanner = new Scanner(System.in);
        final String type = scanner.nextLine();
        switch (type) {
            case "long":
                final long longVal = Long.parseLong(scanner.nextLine());
                final long longResult = getMaxMinusCurrent(longVal);
                System.out.println(longResult);
                break;
            case "int":
                final int intVal = Integer.parseInt(scanner.nextLine());
                final int intResult = getMaxMinusCurrent(intVal);
                System.out.println(intResult);
                break;
            default:
                System.out.println("Unknown type found");
                break;
```

```
        }
    }
}

```

✓ Correct.

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