

Java → Basic syntax and simple programs → Methods → [Declaring a method](#)

Declaring a method → Sum of numbers in the range

Medium 5 minutes ?

1601 users solved this problem. Latest completion was about 22 hours ago.

Implement a method `sumInRange` for calculating the sum of numbers in the range **from** (inclusive), **to** (exclusive).

Report a typo

Sample Input 1:

1 2

Sample Output 1:

1

Sample Input 2:

5 5

Sample Output 2:

0

Sample Input 3:

10 15

Sample Output 3:

60

Write a program

[Code Editor](#) [IDE](#)

```
1 import java.util.Scanner;
2
3 public class Main {
4
5     /**
6      * The method calculates the sum of integers in a given range
7      *
8      * @param from inclusive
9      * @param to exclusive
10     *
11     * @return the sum (long)
12     */
13     public static long sumInRange(int from, int to) {
14         // write your code here
15         long sum = 0;
16         if (from == to) {
17             sum = 0;
18         } else if (from - to == 1) {
19             sum = 1;
20         } else {
21             for (int i = from; i < to; i++) {
22                 sum += i;
23             }
24         }
25         return sum;
26     }
27
28     /* Do not change code below */
29     public static void main(String[] args) {
30         final Scanner scanner = new Scanner(System.in);
31
32         int from = scanner.nextInt();
33         int to = scanner.nextInt();
34
35         System.out.println(sumInRange(from, to));
```

Java

```
36     }
37 }
38
```

✓ 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.

143 users liked this problem. 5 didn’t like it. What about you?



Continue

Solve again

Solutions (129)

Time limit: 8 seconds Memory limit: 256 MB

- [Comments \(15\)](#)
- [Hints \(2\)](#)
- [Useful links \(0\)](#)
- [Solutions \(129\)](#)
- [Show discussion](#)