

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

# Declaring a method → Composite numbers

Hard 2 minutes

1700 users solved this problem. Latest completion was about 17 hours ago.

You're given a method `isComposite` that checks if the given number is composite or not. The composite number is a positive integer that has at least one divisor other than 1 and itself. This method takes one parameter, a long number, and returns a boolean value. Write the full declaration of this method in one line.

Note that the method is public!

```
1 import java.util.Scanner;
2
3 public class Main {
4
5     /*...isComposite(...) */ {
6         for (long i = 2; i <= number / 2; i++) {
7             if (number % i == 0) {
8                 return true;
9             }
10        }
11
12        return false;
13    }
14
15    public static void main(String[] args) {
16
17        Scanner scanner = new Scanner(System.in);
18
19        final long number = scanner.nextLong();
20
21        System.out.println(isComposite(number));
22    }
23 }
```

Report a typo

Enter a short text

public static boolean isComposite(long number)

✓ Correct.

173 users liked this problem. 23 didn't like it. What about you?



Continue

<a href="#">Comments (5)</a>	<a href="#">Hints (13)</a>	<a href="#">Useful links (0)</a>	<a href="#">Show discussion</a>
------------------------------	----------------------------	----------------------------------	---------------------------------