

Step Into Java: Make a Method Part 3

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Java

Review

- Methods provide a “wrapping” around a functional block of code
- Encourages reusability
- Method names are on the “right side of the dot” (eg, joe.indexOf(“happy”))

Review: Inputs to the Method

- The number and “flavor” of the inputs in the method call must match the number and “flavor” in the method definition
- `sue.indexOf(4)` would not compile. The `indexOf` input parameter must be a `String`

Outputs from the Method

- So far, all the methods we have studied have been “void” methods – no value is returned after the method is completed
- Now we are going to look at methods that return a value
- For example, a method that converts from English to Metric units would take in a double and return a double

Lab

- Write a method (in the same class) that takes in an array of integers and writes the array to an output window (void method)
- Write a second method (in the same class) that takes in an array of integers and returns the sum of the integers (returns an int)

Lab Output

Array values: 8 3 2 1 5 7

sum is: 26