
Methods

CS 1110/1111 – Introduction to Programming
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Some slides courtesy Addison-Wesley / Tony Gaddis

Why Write Methods?

- Methods are commonly used to break a problem down into small manageable pieces. This is called *divide and conquer*.
- Methods simplify programs. If a specific task is performed in several places in the program, a method can be written once to perform that task, and then be executed anytime it is needed. This is known as *code reuse*.

Methods of the `void`

- A `void` method is one that simply performs a task and then terminates.

```
System.out.println("Hi!");
```

- A value-returning method not only performs a task, but also sends a value back to the code that called it.

```
int number = Integer.parseInt("700");
```