

Section 3: More on Methods

1) Void Methods

header: *access void method-identifier(parameter-list)*

2) Non-Void Method Headers

- a) header: *access type-or-class method-identifier(parameter-list)*
- b) last executed statement must a return statement (returns the value to the method call):

return expression-of-return-type-or-class;

- c) null - value that indicates that an object does not exist

3) Method Calls

- a) call a method in the same class:

method-identifier(actual-parameters)

- b) call a method in an imported class or library:

declared-object.method-identifier(actual-parameters)

- c) call a method that is not in an imported class or library:

library-or-class.method(actual-parameters)

- d) methods that return a value should be called in an expression
- e) methods that are void (do not return a value) should be called as a statement

4) Local Identifiers

Identifiers that are declared in a method are local to that method and are not visible outside of that method.

5) Global Identifiers

Identifiers that are declared outside of any method but in a class are global to everything in that class. Identifiers that are declared outside of any method but in a class are declared private, protected or public. Identifiers that are public are available to outside of the class by invoking the class name and the identifier with the dot notation (as with public methods).

class.identifier