











CSC 120A - Berry College - Fall 2004















Scope Scope of an identifier (name) is the part of a class/file where it is "visible" or legal to use - Variable declared anywhere in a class can be seen everywhere in a class Scope of method's parameters is the entire method Scope of a variable declared in a block (indicated by braces, { }) extends from the declaration to the closing brace Scope of a variable declared in the initialization part of a for loop is the entire body of the loop Class variables and methods (indicated by "static") can be used anywhere within the class Instance variables (fields) and methods can be used anywhere except in static methods Within an instance method, the keyword this refers to the object on which the method is currently executing When a field and a local variable have the same name, the name refers to the local varible; use the prefix this. to refer to the field CSC 120A - Berry College - Fall 2004 12







- A method is a named, executable chunk of code

 All executable statements must be in methods (one or two
 exceptions, which we won't mention here)
 Mothed has a signature, name and number and
- Method has a signature: name and number and types of its parameters
- Method has a return type (not part of its signature)
 If the return type is other than void, the method must return a value of the specified type in every possible case
- Method may define local variables (scope, *etc.*)
- Concepts of static/public/private/etc. do not apply to local variables
 - Local variables have undefined values until they are initialized
- Every method must have a unique signature within a class
 - Methods in other classes (including sub/superclasses) may have the same signatures
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