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Co Sci 290

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Chapter 6

Chapter 6 Vocabulary

actual parameter (205) - a variable or expression contained in a method call and passed to that

method

ambiguous invocation (221) - two or more possible matches for the invocation of a method, but

the compiler cannot determine the best match

argument (205) - also known as actual parameter. The actual value that passed into the method

by a caller

divide and conquer (225) - also known as stepwise refinement. To decompose it into

sub-problems. The sub-problems can be further decomposed into smaller, more

manageable problems

formal parameter (205) - the identifier used in a method to stand for the value that is passed into

the method by a caller

information hiding (225) - also known as encapsulation. The details of the implementation are

encapsulated in the method and hidden from the client who invokes the method

method (204) - can be used to define reusable code and organize and simplify coding

method abstraction (225) - separating the use of a method from its implementation

method overloading (219) - to define more than one method with the same name but different

parameters

method signature (205) - the method name and the parameter list

modifier (205) - return value type, method name, and parameters of the method

parameter (205) - is like a placeholder; when a method is invoked, you pass a value to the

parameter

pass-by-value (212) - passing the value of an argument to a method. The type of data passed

depends on whether the argument is a primitive or an object

scope of a variable (222) - is the part of the program where the variable can be referenced

stepwise refinement (225) -

stub (227) – a placeholder for an incomplete method so that the class will compile