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C# Hw03

1. A method is a named sequence of statements ((named block of code)
2. A Function must return a value, but a procedure/sub procedure/subroutine does not have to.
3. The return statement terminates execution of the method in which it appears and returns control to the calling method.
4. An expression-bodied method consists of a single expression that returns a value whose type matches the method's return type, or, for methods that return void, that performs some operation.
5. The region of the program in which that variable is usable.
6. two identifiers having the same name and are declared in the same scope
7. Supply a comma-separated list of arguments, and the number and type of the arguments are used by the compiler to select one of the overloaded methods.
8. Syntax is returntype = methodName (Parameter list) and a body
9. Omit corresponding arguments for optional parameters.
10. specify the name of the parameter, followed by a colon and the value to use.
11. the method can return the value by using the return keyword. A statement with the return keyword followed by a value that matches the return type will return that value to the method caller. Yes, returning a tuple (A tuple is simply a small collection of values)
12. A tuple is simply a small collection of values. returnMultipleValues(…). int MultipleReturns(int a, int b, ref int max)
13. A method calls the same method
14. This is an unresolvable ambiguity, and the compiler does not let you compile the application
15. Component Object Model (COM) is a [binary-interface](https://en.wikipedia.org/wiki/Application_Binary_Interface) standard for [software components](https://en.wikipedia.org/wiki/Component-based_software_engineering) introduced by [Microsoft](https://en.wikipedia.org/wiki/Microsoft) in 1993. It is used to enable [inter-process communication](https://en.wikipedia.org/wiki/Inter-process_communication) [object](https://en.wikipedia.org/wiki/Object_(computer_science)) creation in a large range of [programming languages](https://en.wikipedia.org/wiki/Programming_languages). CLR used by the .net framework.