Provide short answers to the following questions:

**1) Can you declare a method inside another method?**

-YES.

**2) Where can optional parameters be placed in a method signature?**

-At the end of the parameter list

**3) How can you pass parameters to a method out of order?**

-With named arguments.

Decision statements

**4) If you want to combine two Boolean statements with the “&&” operator, would it make more sense to put the computationally expensive statement on the left or right? Defend your answer.**

-when combining two Boolean statements with the “&&” operator, it makes more sense to place the more computationally expensive statements on the right side. This is done in the interest of short-circuiting. In this specific example, for the “&&” to evaluate to a logical “true”, both conditions need to equate to a logical “true”. By placing the least computationally expression on the left, it saves on processing by quickly weeding out conditions that equate to a logical “false”.

**5) Critique the following code.**

“if(t==true)” is redundant. Needs to be replaced with “if(t)”

**Apply**

Welcome to C#

**For these problems, refer to the attached screenshot**

**6) In the namespace MSSA.CS.Welcome, define a Main method which prints your name and “Welcome to C#!” to the command line.**

Variables, Operators, and Expressions

**7) Given string input = “17”, write code that:**

**-Converts “input” to an integer and stores it in a variable named “count”.**

**-Increments “count” using the pre-increment operator.**

**-Prints “Count” to the console using the string interpolation syntax**

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