

C# Programming Homework 04

Chapter 04, C# Step by Step

Readings

Read chapter 4 in the *C# Step by Step* book.

Discussion Questions

Answer the discussion questions in writing for chapter 4.

1. What are all possible values of a *Boolean expression*?
2. List eight *Boolean operators*.
3. What is the general concept of *short circuiting*? This question has a short and simple answer and you do not need to have a detailed response.
4. What are the difference in how *short circuiting* works for `&&` and `||`?
5. Look at the list of operators. What operator has the highest precedence? Which has the lowest?
6. In an *if* or *else* construction using multiple lines of code, what effect does the use of curly braces have?
7. In a *switch* statement, what happens if you omit *break*?
8. (Not in book) What is a *recursive* method? Using a language you know (such as English), write a recursive method that adds up the integers in a list of integers. The input to the method is a list of integers and the output is a scalar value representing a sum.
9. (Not in book) Read a short summary of *De Morgan's* laws.
 - (a) Explain how this statement, "It's not snowing or raining," is the same as this statement, "It's not snowing and it's not raining."
 - (b) Explain how this statement, "I'm not running and walking," is the same as this statement, "I'm not running or I'm not walking."