

C# Programming Homework 15

Chapter 15, C# Step by Step

November 6, 2019

Readings

Read chapter 15 in the *C# Step by Step* book.

Discussion Questions

Answer the discussion questions in writing.

1. What is the difference between a *property* and a *field*?
2. What is the difference between a *property* and a *method*?
3. What is your understanding of *encapsulation*?
4. Some languages are case insensitive, that is, an ‘a’ and an ‘A’ are considered to be the same letter. C# is case sensitive. What implications does this have regarding the naming of variables, methods, and other identifiers? Do you think that the difference in case in the initial character of two different identifiers is sufficient to distinguish them?
5. Give an example that is not in the book of an instance where you might want to use a read-only property. Give an example not in the book of an instance where you might want to use a write-only property.
6. Can you think of a reason why you might ever want to make getters and setters private? Give an example. Also, make a case why getters and setters should never be private.
7. What are restrictions on the use of properties?
8. What is an *object initializer*? What is the syntax for an object initializer?