

C# Programming Homework 08

Chapter 08, C# Step by Step

Readings

Read chapter 8 in the *C# Step by Step* book.

Discussion Questions

Answer the discussion questions in writing.

1. What is the difference between *deep copy* and *shallow copy*?
2. What is the value of a reference after you declare and initialize it?
3. How do you declare a value type?
4. How do you declare a reference type?
5. Does C# allow you to assign NULL to a value type?
6. Can you assign a nullable value type to a non-nullable variable of the same type? Why or why not?
7. What is the difference between the stack and the heap?
8. What does it mean when we say that all classes are *specialized types*?
9. What does *ref* do?
10. What does *out* do?
11. Describe *boxing* and *unboxing* in your own words.
12. What does *cast* do?