

# C# Programming Homework 02

## Chapter 02, C# Step by Step

### Readings

Read chapter 2 in the *C# Step by Step* book.

### Discussion Questions

Answer the discussion questions in writing for chapter 2.

1. What is a *local* variable?
2. What is a *statement*?
3. What is an *identifier*?
4. What is a *keyword*?
5. What is a *variable*?
6. How do you declare a variable? How do you assign a value to a variable? Can you have a variable that does not have a value? Can you declare and initialize a variable in a single statement?
7. What does Visual Studio do when you open a project (a `.csproj` file) without opening the solution (a `.sln` file)? Why might this be a problem?
8. How are arithmetic operators and variable types related?
9. How do you turn an integer into a string?
10. How do you turn a string into an integer?
11. What is the difference between precedence and associativity? Give an example where this makes a difference.
12. What is the *definite assignment rule*?
13. How are the prefix and postfix increment and decrement operators evaluated differently?
14. What is *string interpolation*?
15. What does the *var* keyword do?