

ASSESSMENT 2 STUDY GUIDE

Explain terms from each of the lessons. You might be asked to give definitions, to compare and contrast, and to explain the benefits of using various features. Potential topics include...

- Int, bools, and strings
- conditionals: if, else, else if
- For Loop, While Loop, and Foreach Loop
- strings and their various methods, immutability
- Methods, parameters, return types
- Exceptions, caught and uncaught
- Syntax, runtime, and logic errors
- Arrays - core syntax, as in initialization, adding and overriding elements
- Lists

These may include:

- declaring variables
- using int, bool, and string
- working with strings, including concatenation and some common string methods
- using `Console.WriteLine()` and `Console.ReadLine()`
- using if, if else, and else
- writing simple counting for loops
- calling methods, using parameters
- declaring, initializing, accessing, and modifying arrays (Only one dimensional)

PART TWO: 2 CODE CHALLENGES (70% OF YOUR GRADE)

For part 2, you can use your notes, book, the internet, and Visual Studio. It is still closed human, so no asking others for help. You will want to be able to...

- Solve logic problems using code.
- Do arithmetic and boolean logic with variables
- Use conditionals
- Use For, While, and Foreach Loops
- Manipulate strings
- Declare and call methods with parameters and return values
- Manipulate arrays (Only 1 dimensional)
- Use Lists
- Use loops with arrays and lists (They're bffs)