

Written Homework #1

CS 162: Introduction to Computer Science

Submit your assignment to the D2L Dropbox
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1. **Create an Algorithm** for the process of how to be successful with this course. Think about what you will need to do this term, in a step by step fashion, to be successful in CS162. This should include your plans for attending course lectures, your plan for the labs, readings, practicing coding, working through D2L and so on. This algorithm is especially important for those of you online students – getting behind is one of the biggest risks of taking this course online!

Things to think about...Is there any prep work that needs to take place for you to be successful? Do you make a habit of writing small programs to solidify constructs? How do you plan to stay on track? Think of (a) what you will need to do (read the syllabus...etc.) (b) when you need to do each of these, and then (c) think about how best you learn and what you will need to do to take what is discussed or taught and be able to apply it.

Algorithms should be written in outline form using complete sentences.

2. **Ethics.** Define, in your own words, what “computer ethics” involves. Give 3 examples of rules you think are important to follow as we create software that is to be used by others.
3. **Style.** Everyone in this class already knows how to program in a high level programming language. Examine of the programs you have written in the past and describe 3 components that represented style that would enhance readability and maintainability. Then describe 3 part of your code that distracted from these aspects.
4. **C++.** From the Malik readings, pick 3 different C++ keywords and show how they could be used in a program. Discuss how they compare to the language(s) that you know!