

CSI 201 — Computer Science I, Fall 2005

Handout #10 - Tuesday, October 4, 2005

1. Homework due Thursday (see below)
2. Quiz next Tuesday (10/11)
3. Fall break next week (10/13)
4. Chapter 5
 - (a) arrays, index, subscript, elements, type, size p183
 - (b) Tip: For loops naturally work with arrays p185
 - (c) Tip: Use a defined constant for the size of an array p185
 - (d) Pitfall: Index arrays start with size 0 and end with index size-1. p185
 - (e) Pitfall: Accessing an out of range index p187
 - (f) Array Initialization p189
5. **Assigned Reading:** Chapter 5
6. **Homework:** Suppose we want to write a program to manipulate a group of integers. If we know the number of integers required ahead of time, we can use arrays as they have been described so far. For now, assume we will be given ten integers. The first step in this program, is to get these ten integers from the user. Usually, we get input in a function for modularity, but for now, you may do this in main. The second step in writing any program, is to make sure that you have read the input correctly. Again, this typically should go in a function, but for now, simply do this in main. For this homework, prompt the user for ten integers, and read them into an array. When all elements have been read, output these integers. This may seem redundant but it is an important step in writing code efficiently.