

## CS 51 Test Program #1

Due: Friday, March 9, 2018, at 4 pm

A test program is a laboratory that you complete on your own, without the help of others. It is a form of take-home exam. You may consult your text, your notes, your lab work, or our on-line examples and web pages, but use of any other source for code is forbidden. You may not discuss these problems with anyone aside from the course instructor. You may only ask the TA's for help with hardware problems or difficulties in retrieving your program from a disk or network.

There are three parts of this test program:

- The first part is a timed problem that you must complete during your regularly scheduled lab session on Friday, 2/23. It is due at the end of the lab period.
- The second, and third parts are take-home problems that you can work on over the next two weeks, and are due Friday, 3/9 at 4pm.

The starters and demos can be found in the *cs051J* folder on your desktop (in the *demos* and *labs* sub-folders. The starters can be loaded as usual into the Grace web page, and submissions can be turned in as usual.

Grading:

Table 1: Grading Guidelines

Value	Feature
<b>Code Quality (16 pts for each of 3 programs)</b>	
2 pts.	use of boolean conditions
2 pts.	ifs/whiles
2 pts.	appropriate vble (instance/local, public/private)
2 pts.	Descriptive comments
2 pts.	Good names
2 pts.	Good use of constants
2 pts.	Appropriate formatting
2 pts.	Parameters used appropriately
<b>Correctness (16 pts for each of 3 programs)</b>	
<b>Miscellaneous (4 pts total)</b>	
<b>Extra Credit (4 pts maximum)</b>	