

## CSC 210, Exam II

### Exam II Notes

- You may bring one page of notes (front and back) to the exam. This page may be handwritten or typed.
- Computer access will not be permitted during the exam.
- Cell phones must be put away at all times, but calculators are allowed.
- Don't hesitate to contact me if you have any questions!

### Exam II Concepts

1. Loops (Chapter 4)
  - a. *while* loops
  - b. *do while* loops
  - c. *for* loops
  - d. Nested loops
2. Arrays (Chapter 5)
  - a. 1D arrays
  - b. Multiple 1D arrays
  - c. 2D arrays
  - d. For all arrays you should be able to do the following:
    - i. Access a specific element of the array (by specifying the index for a 1D array; or by specifying the row and column indices for a 2D array)
    - ii. Iterate through all elements of a 1D array (using a *for* loop) or a 2D array (using nested *for* loops)

### Practice problems

1. See zyBooks, Exam II Practice
2. Consider the following array:

```
double nums[] = {2,7,6,10};
```

- a. Write a statement that outputs the 1<sup>st</sup> element of the array
- b. Write a statement that changes the 3<sup>rd</sup> element of the array to 0
- c. Write a statement or statements that swaps the 2<sup>nd</sup> and 3<sup>rd</sup> element of the array