CMSC201
Computer Science I for Majors

Lecture 13 – Midterm Review
Exam Rules

• The midterm is closed everything:
  – No books
  – No notes
  – No cheat sheets
  – No laptops
  – No calculators
  – No phones
Exam Rules

• Place your bookbag under your desk/chair
  – NOT on the seat next to you

• You may have on your desk:
  – Pencils, erasers
  – Water bottle
  – UMBC ID

• You **must** bring your UMBC ID with you to the exam! We won’t accept your test without it.
Exam Rules

• DO NOT CHEAT!!!

• Cheating will be dealt with severely and immediately
  – If a TA or instructor sees you looking at another student’s paper they may take your test from you

• Your TA or instructor may ask you to move at any time during the test
  – This doesn’t mean we think you’re cheating
Exam Seating

• Space allowing, you will sit every other seat, so that you are not next to another student

• Your instructor may have specific instructions for their lecture hall seating arrangements

• Make sure you know how to get to your exam room location – arrive early if possible!
Questions about Exam Rules?
Exam Format

• Very similar to the in-class worksheet
  – Questions are less “tricky” than the worksheet, but the types of questions are generally the same
  – Going over the slides and making sure you are comfortable with the material would be a good idea
  – Try some of the exercises and practice examples available in the slides
Exam Format

• Multiple Choice
• True/False
• Code evaluation
  – Given code, what does it do?
• Debugging
  – Find and fix errors
• Fill in the blank
  – Complete a piece of partially-written code
Exam Format

• Programming problems
  – Given a problem, write the code to solve it

• Tips:
  – Don’t jump straight into coding
  – Read the question carefully
  – Plan out what your code needs to do
Questions about Exam Format?
Exam Content

• Everything we’ve covered so far!
• You should be especially familiar with:
  – Evaluating expressions
  – Control structures
    • For loops
    • While loops (including sentinel loops)
    • If/Elif/Else
  – Decimal <-> Binary conversion
  – Debugging
Exam Content

• You should be especially familiar with:
  – Strings
    • Indexing, slicing, concatenating
  – Lists
    • Indexing (including negative indexing)
    • Appending
  – Functions
    • Actual and formal parameters
    • Defining and calling functions
Questions about Exam Content?
Exam Advice

- Write down your name and circle your section
- Flip through the exam and get a feel for the length of it and the types of questions
  - The programming problems are the last questions on the exam – don’t leave them until the last minute!
Exam Advice

• Most questions have partial credit
  – You should at least attempt every problem
  – If you don’t know how to do one part of the problem, skip it and do the rest
  – You can use comments instead of code (like “# get user input”) if you know what you want a piece of code to do but not how to do it
Exam Advice

• After you are done coding the programming problems, try “running” your program with some input and making sure it works the way you think it does

• If a problem is unclear or you think there is an error on the exam, raise your hand
Any Other Questions?
Announcements

• Homework 6 will be out Thursday night
  – Due by Wednesday (Oct 26th) at 8:59:59 PM

• Lab 7 is online this week (due Thursday night)

• Midterm is next time – October 19th and 20th
  – You must bring your UMBC ID with you to the exam! We won’t accept your test without it.
  – You can do it! We believe in you!
Review Worksheet Answers

• Answers will not be provided

• You’ll understand and retain the information better if you solve the problems yourself

• TAs are available in ITE 240 during their regular discussion hours this week