CMSC201
Computer Science I for Majors
Lecture 12 – Midterm Review
Prof. Katherine Gibson
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:
  – Pens, pencils, erasers
  – Water bottle
  – UMBC ID
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 (or anything other than your own exam) they will take your test from you
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
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 worksheet and making sure you are comfortable with the material would be a good idea
Exam Format

• Multiple Choice
• True/False

• Short answer
  – Explain basic concepts in writing
  – *e.g.*, “Why do we need to cast user input to different data types like int?”
Exam Format

• 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 Interactive loops)
    • If/Elif/Else
  – Decimal <-> Binary conversion
Exam Content

• You should be especially familiar with:
  – Lists
    • Indexing (including Negative indexing)
    • Appending
  – Debugging
  – Strings
    • String functions like split()
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 worth **25% of the grade** and are the last two 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
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 5 is out
  – Due by Tuesday (Oct 13th) at 8:59:59 PM

• Midterm is next time – Oct 14th and 15th
  – 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!