

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 \leftrightarrow 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