Course Review for Exam

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Jython Outline

Your best study guide is to work problems similar to the ones you have:

1. Practice loop, pixel and sample math.
2. Understand the structure of loop objects
3. Know the data structures and understand the common picture and sound functions.
4. There are some good resources for this on the course webpage (for instance the resources for making use of the Jython help).

Jython Specifics

You may have to:

1. Write code to demonstrate concepts based on existing code
2. Analyze existing code
3. Correct style issues with code
4. Assigns lines of code to program specifications
5. Identify what a program does

Don't Emphasize Syntax

1. You will not have to write code that contains functions not displayed elsewhere in the question
2. So you should not have to memorize the exact layout of brackets, commas, semicolons, etc..
3. You should have some ideas about argument order (I won't specifically ask you to give argument order, but you should at least be able to work it out in surrounding context (like a block of code using a function)).

Good Resources for Practice/Review

1. A1 Problems
2. A2 Problems
3. Midterm Problems
4. Textbook Problems

Expect some Theory

1. You should be comfortable with some of the theory topics, like number conversion and two's complement
2. You should also be comfortable with some of the theory behind writing code discussed in the slides and textbook chapters.

Midterm Two Topics

1. Spreadsheets: Practice don't just read. Expect a fair amount of work on this.
2. Problem Solving: Know steps and how to apply them. Focus more on concepts and technique, don't expect to get difficult problems.
3. The Internet: Focus on material in slides/midterm, don't expect to need your custom A4 stuff.
4. User Interface: Study topics from slides, don't expect a lot of material on this.

Spreadsheet Tips

1. Practice, Practice, Practice.
2. Look at slides
3. You only need functions covered in class and the slides
4. Work A4 problems.
5. Problems taken up in tutorial upon request, or discuss solutions in office hours.

Problem Solving Tips

1. Do a brief overview of the methods
2. Understand how to apply problem solving strategies to simpler problems
3. Won't get anything near as complicated as the pirates and coins problem.

Internet and UI Tips

1. These units are a little fact heavy so do spend time on some of the details
2. Expect similar nature of problems to Midterm 2

Good Resources

1. Assignment 3
2. Assignment 4 other than Q3.
3. I will be posting a few practice problems to the course website early next week

Tutorial This Week

Tutorial this week will be exam review and will focus on the midterm 2 topics, feel free to bring questions.

Choice of Demos

1. Gnumeric
2. Jython