

EECS10 Discussion Week7

TA: Weiwei CHEN
weiwei.chen@uci.edu
eecs10@eecs.uci.edu

Course Administration

- Midterm Exam 2 is coming.
 - Multiple choices
 - About 40 questions
 - Mainly focus on the stuff after midterm 1, but should cover all the things discussed since lecture 1.

Arrays

- Composite data type
 - Type is an array of a sub-type (e.g. array of **int**)
 - Fixed number of elements
 - Array size is fixed at time of definition (e.g. 100 elements)
 - Element access by index (aka. subscript)
 - Element-access operator: array[index] (e.g. A[42])
 - Array indexing starts counting from 0.
 - for loops are often very helpful for array indexing.
 - Multi-dimensional Arrays: Array of an array.
- Passing arguments to functions
 - Pass by value
 - Pass by reference

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3

Homework 6

- A manual driven complex number calculator
- Using global variables
- Using function calls for calculation, menu printing, and form transformation.
 - Function declaration, function definition, function call
 - Function parameters, argument.
 - Scope of the variables.
- Two-week assignment. Plan the schedule of your work. Start it early!
 - Week1: Design the user menu. Build up the frame of the calculation functions. Handle different coordinates representations?
 - Week2: Fill in the body of the calculation function calls. Test your program?

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4