## **16.216: ECE Application Programming**

Spring 2014

Lecture 19: Key Questions March 12, 2014

1. Describe how to declare, initialize, and access two-dimensional arrays.

## 2. **Example:** Complete the following program:

3. Explain how to pass arrays to functions.

- 4. **Example:** Write a function for each of the following:
- Given an array of doubles (arr) and the # of elements in the array (n), find the average of all array elements

6 (cont.) **Example:** Write a function for each of the following:

• Given an array of ints and the # of elements, find the largest element in the array

• Given an array of test scores (tests), the # of elements in the array (n), and an amount to scale those scores by (s), add s to every element in tests and print the scaled scores

5. Explain the relationship between pointers and arrays, as well as the use of pointer arithmetic.