## Palomar College Computer Science & Information Technology CSCI 112 Programming Fundamentals I Chapter 7 – HW 10

- 4. Write the code for the following:
  - Declare one array for storing the square of the integers from 0 through 10.
  - Write a for loop to give the array the values.
  - Declare a second array for storing the cubes of the integers from 0 to 15;
  - Write a for loop to give the array the values.

Download the code from Canvas titled arrayinput. Run it, examine and write down what is the difference between the two input techniques.

6. The code in the slides numbered 7.14 uses a while loop and not a for, why?

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1.	What is a data structure?	Give an example?	Why do we have data structures
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2. What is the difference between int x3 and int x[3]?

For the declaration int list[8] = {0};

What is this?

an array

How many elements?

What type of data in the structure?

What are the possible index values?

Are the values initialized?