

**Palomar College**  
**Computer Science &**  
**Information Technology**  
**CSCI 112 Programming Fundamentals I**  
**Lab 7 – Chapter 7 - Array Pointers**

1. Write a program without functions that creates an array of type int.
  - a. The array should be 100 in length.
  - b. Allow the user to enter any number of input values until they enter -9999.
    - i. This value is not stored in the array (sentinal value)
  - c. Print the values entered only until the sentinal value.
  - d. Write a for loop to multiply all the values in the array by the index in the for loop.
  - e. Create a loop to execute 5 times to ask the user what index in the array they would like displayed and then display the value. Make sure they don't enter a number out of range in the array.
  
2. Update the program above to break the problem up into functions.
  - a. You should have a function for b, c, d, and e.