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# Week 4

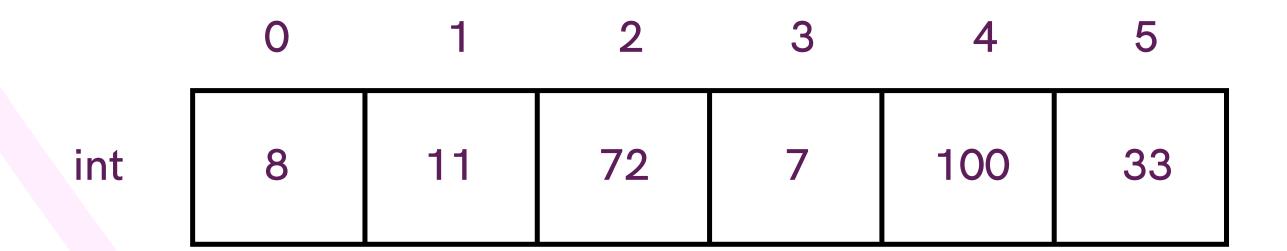
Arrays, Functions

Census Date: This Sunday!

Get started on Assignment 1

### Arrays

• Create an integer array



Print out all the variables in the array

## **Array Practice**

#### Debugging with:

- dcc
- print statements
- dcc-help
- dcc-sidekick

#### **Array Activity**

#### Copy Array

- 1. Create an array of doubles with 3 elements, each with a non-zero value.
- 2. Create another array of doubles with 10 elements where every element initialised to 0.0.
- 3. Create a while loop that loops through every element of the first array.
- 4. Copy the elements of the first array into the second array (leave 0's at the end)
- 5. Create a while loop that prints out all the elements of the second array.

#### **Largest Character**

- 1. Create a character array with exactly 8 elements.
- 2. Create a character variable called largest\_character, equal to the first character of the array.
- 3. Create a while loop to loop through the character array.
- 4. Create an if statement to check if the current character has a higher ascii value than "largest\_character"
- 5. Print out the largest character you've found.
- 6. Ensure your code would pass "1511 style"

### Functions



### Lab Time!