

Nicole Luong

# Week 4

Arrays, Functions



**Before we  
start**

Census Date: This Sunday!

Get started on Assignment 1

# Arrays

- Create an integer array

	0	1	2	3	4	5
int	8	11	72	7	100	33

- Print out all the variables in the array

# Array Practice

## Debugging with:

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

# Array Activity

## Odd Only

1. Create an integer array with at least 5 elements.
2. Create a while loop which loops through every element of the array.
3. Write an if statement which adds 1 to each even value. Do this within the while loop.
4. Write another while loop which goes through the array with a different iterator (i.e. if you used i last time, use j)
5. Print out the values in the array.

## 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.

# Extra Array Activity

## 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

# Kahoot!



A series of thick, light pink lines that form a complex, overlapping geometric pattern on the left side of the slide. The lines start from the top left and extend towards the bottom right, creating a sense of movement and depth.

# Lab Time!

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