Arrays

A collection of many variables of the same type in a contiguous block of memory.

Index	0	1	2	3	4	5
Element	2	3	10	6	4	9

Tasks

- (1) Create an empty procedure called 'odd_only' with an empty body

- In odd_only

  - (2) Create an integer array with at least 5 elements, initialised to values of your choosing

  - (3) Create an empty while loop whose iterator loops through the indexes of the first array

  - (4) Inside the while loop, write an if statement which adds 1 to the element at the given index if the element is even.

  - (5) Write another loop that prints out the values in the updated array using a separate iterator variable.

- (6) Create an empty procedure called 'copy_array'

- In copy_array,

  - (6) Create an array of doubles with at least 3 elements, initialised to values of your choosing

  - (7) Create another array of doubles of 100 elements; but every element initialised to 0.

  - (8) Create an empty while loop whose iterator loops through the indexes of the first array.

  - (9) In the while loop copy the element of the first array into the second array at the same index (leave 0's at the end).

  - (10) Create a while loop which prints out all the elements of the second array.

- Extension: Do the "largest_character" exercise in the tutorial problems.