

Reminder: census date is this Sunday (or it usually is) - talk to us in the lab today if you're worried about the course



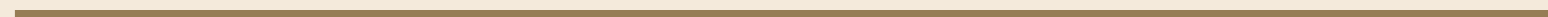
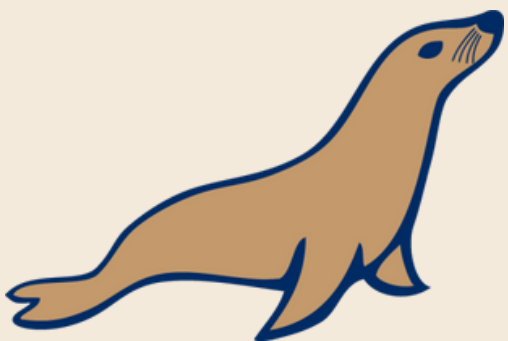
COMP1511

WEEK 4



T09B 24T1

You know the drill by now,
please fill in the form for last
week if you haven't already





OVERVIEW

Arrays

Functions Practice



Revision Sessions

Running this week: they have been exceedingly popular so far and I think there may be bonus ones being planned if you keep your eyes open for bookings

Scheduled:

- Week 4 Wednesday 06/03 11am-1pm - Bass Lab OMB149B
- Week 4 Thursday 07/03 10am-12pm - Online via Help Session Microsoft Teams

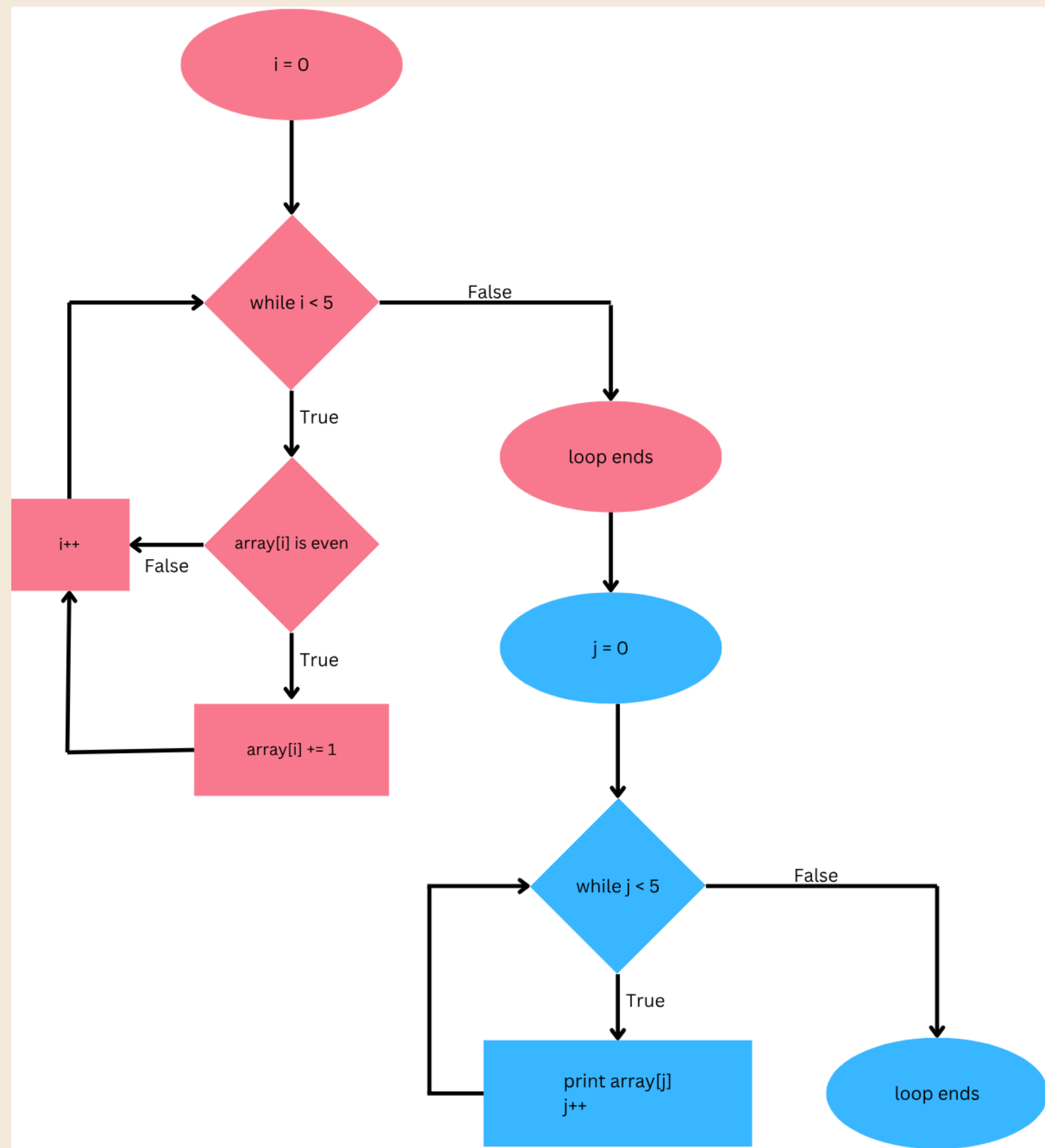
Arrays Practice

Arrays:

- Way of storing information
- Stores a fixed number of elements
- All elements in an array are of the same type
- Access information using an index

```
int fav_numbers[5] = {3, 2, 5, 6, 8};
```

0x0123	0x0127	0x012B	0x012F	0x0133
3	2	5	6	8





CODE!

Your Turn!

Copy Array

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

Largest Character

- Create a character array with exactly 8 elements.
- Create a character variable called `largest_character`, equal to the first character of the array.
- Create a while loop to loop through the character array.
- Create an if statement to check if the current character has a higher ascii value than `"largest_character"`
- Print out the largest character you've found.
- Ensure your code would pass "1511 style"
- Go join other teams, and sit with their groups to help them finish.

FUNCTIONS PRACTICE

```
return_type function_name(parameters) {  
    // function body  
  
    return value;  
}
```




YOUR TURN (AGAIN)

idk, like 9?

