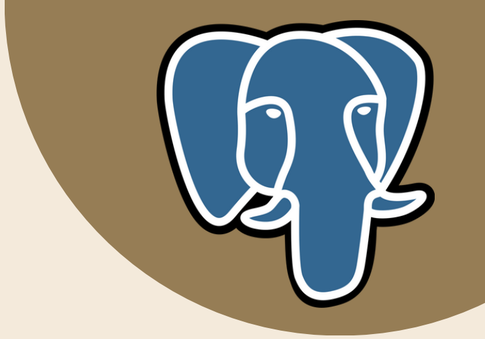
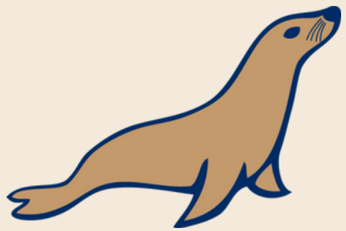
Reminder: census date is this Sunday (or it usually is) - talk to us in the lab today if you're worried about the course



COMP1511
WEEK 4

24T3

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



OVERVIEW

Arrays

Functions Practice

Style

Revision Sessions

Scheduled:

- ?

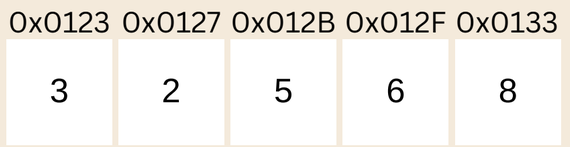
+ more to come in future weeks, keep an eye on the forums for more info

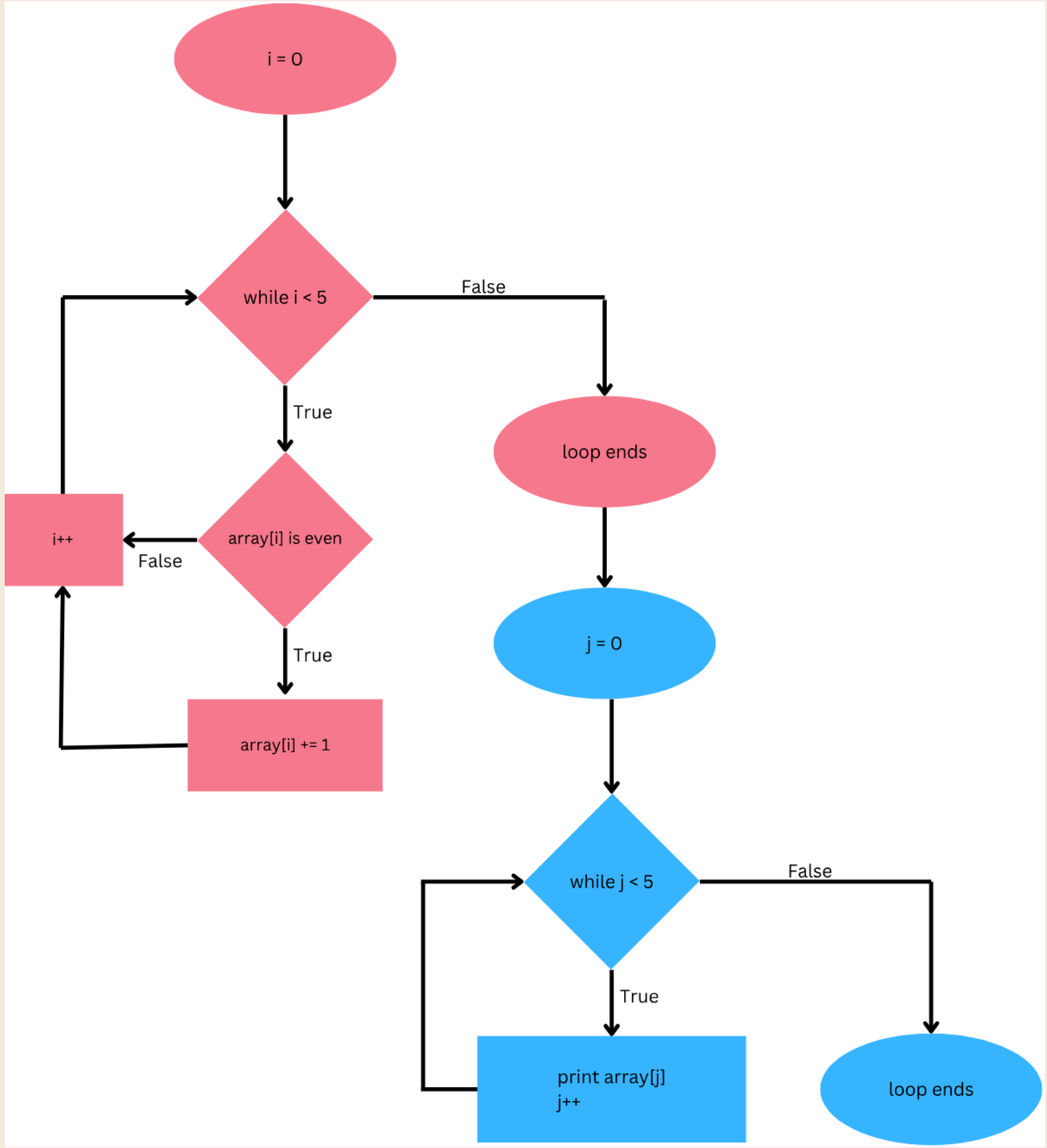
Arrays Practice

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};




i = 0
while i < 5
False
True
loop ends
array[i] is even
i++
False
True
array[i] += 1
j = 0
while j < 5
False
True
print array[j]
j++
loop ends

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?