

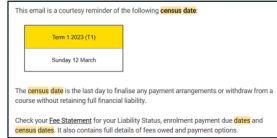
COMP1511 Week 4!

Word of the week: ambidextrous

The Agenda

Census Date

Census Dates are important...



- Isekai at uni
- Other courses / commitments
- C is hard
- Be happy

Arrays

Let's practice with arrays!

Copy Array (Student Round Robin)

- ☐ 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 (Student Round Robin)

- ☐ 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.

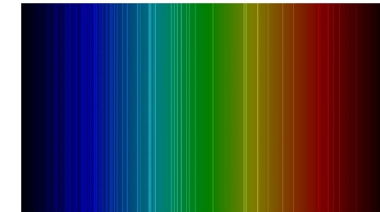
Scanning in a Loop

Scanning in a Loop (fixed)

- How do we initialise an array?
- How do we loop with scanf?
- How do we insert into an array?
- How do we loop through an array?
- How do we know what the largest value is?

Functions Practice

Let's Kahoot some functions!



Writing Colours 22T3

Census Dates are important...

This email is a courtesy reminder of the following **census date**:

Term 1 2023 (T1)

Sunday 12 March

The **census date** is the last day to finalise any payment arrangements or withdraw from a course without retaining full financial liability.

Check your [Fee Statement](#) for your Liability Status, enrolment payment due **dates** and **census dates**. It also contains full details of fees owed and payment options.

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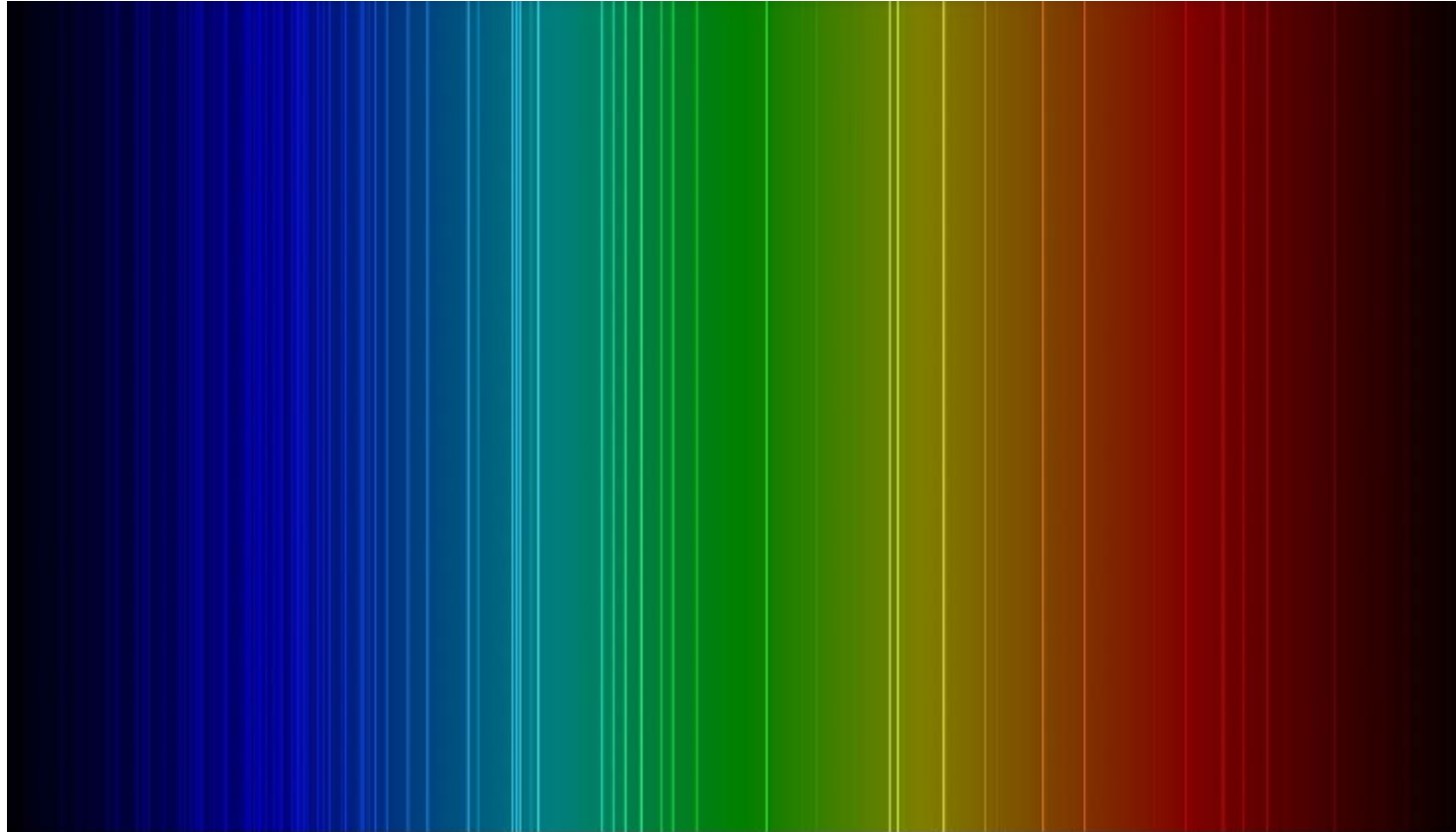
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Scanning in a Loop (variable)

```
int result = scanf("%d", &variable);
```

Let's Kahoot some functions!



Writting Colours 22T3

What's a good function for Devowelling Text?

HINT:

When completing this task, we suggest you do the following:

- Scan in, and (maybe) print a single character at a time (you will not need a string for this question).
- Write a separate function to determine if something is a vowel.

Remember, you can use **Ctrl+D** to finish giving input.

Also recall that previously, when we used `scanf` to read characters, we always wanted a space before the `%c`. This allowed us to skip any whitespace (spaces, newlines, etc.) that the user typed. In this exercise, we *want* to read this whitespace, so we should not have a space before our `%c`.