Week 6 tutorial

- 2d array exercise -> Galaxy exercise
- String

- Assignment 1 is out !
- Start early

https://cgi.cse.unsw.edu.au/~dp1091/24T3/assignments/ass1/index.html

Recap on 2d array

	Col1	Col2	Col3	Col4	....
Row1	Arr[0][0]	Arr[0][1]	Arr[0][2]	Arr[0][3]	
Row2	Arr[1][0]	Arr[1][1]	Arr[1][2]	Arr[1][3]	
Row3	Arr[2][0]	Arr[2][1]	Arr[2][2]	Arr[2][3]	
Row4	Arr[3][0]	Arr[3][1]	Arr[3][2]	Arr[3][3]	
:					

Pass the first element in 1d array and 2d array

```
// pass to the first position into array;
array[0] = 1;
array[0][0] = 1;
```

Printing the first element in 1d array and 2d array

```c
// print the first element in array
printf("%d\n", array[0]);
printf("%d\n", twodarray[0][0]);
```

Part 1: 2D arrays Practice

Part2 : arrays and functions

String

Define a string

```c
char str[] = {'h', 'e', 'l', 'l', 'o', '\0'};
char str1[] = "Hello world!";
```

Practice implement the functions

Extra standard libraries

#include <string.h>

#include <ctype.h>