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2D Arrays	
Week 5 Lab Exam  This course has an invigilated final exam To prepare you on the format, we are having a week 5 in-lab exam Please attend your week 5 lab as scheduled Worth 1 mark https://buytickets.at/comp1511unsw/1741784 Access code is COMP1511  Email course account if you can't attend	
Strings recap  - An array of chars  - We have a single identifier for the string  - Anything we can do with arrays, applies	

## 

"Jake!"	
	e quotes <u>u</u> to wrap the string literal e for characters!
- Used to ass	sign strings to char[] easily:
char nam	e[] = "Jake Renzella";
Useful string	functions
<pre>fputs() strlen() strcpy() strcat() strcmp()</pre>	-> reads a string -> prints a string -> gives us the length of the string (excluding the \0 )> copy the contents of one string to another -> join one string to the end of another (concatenate) -> compare two strings -> find the first occurrence of a character of these may require #include <string.h></string.h>

## Reassigning a string

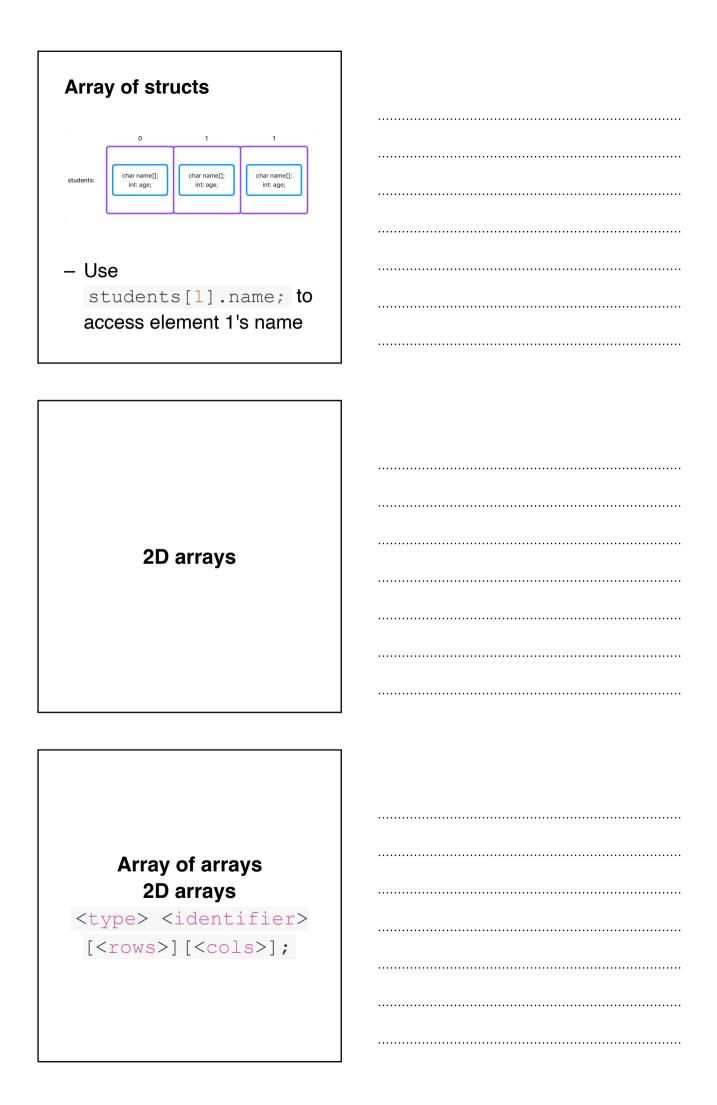
```
int main(void) {
    char name[MAX_LEN] =
"Jake";
    strcpy(name, "Mr
Otterington");
}
```

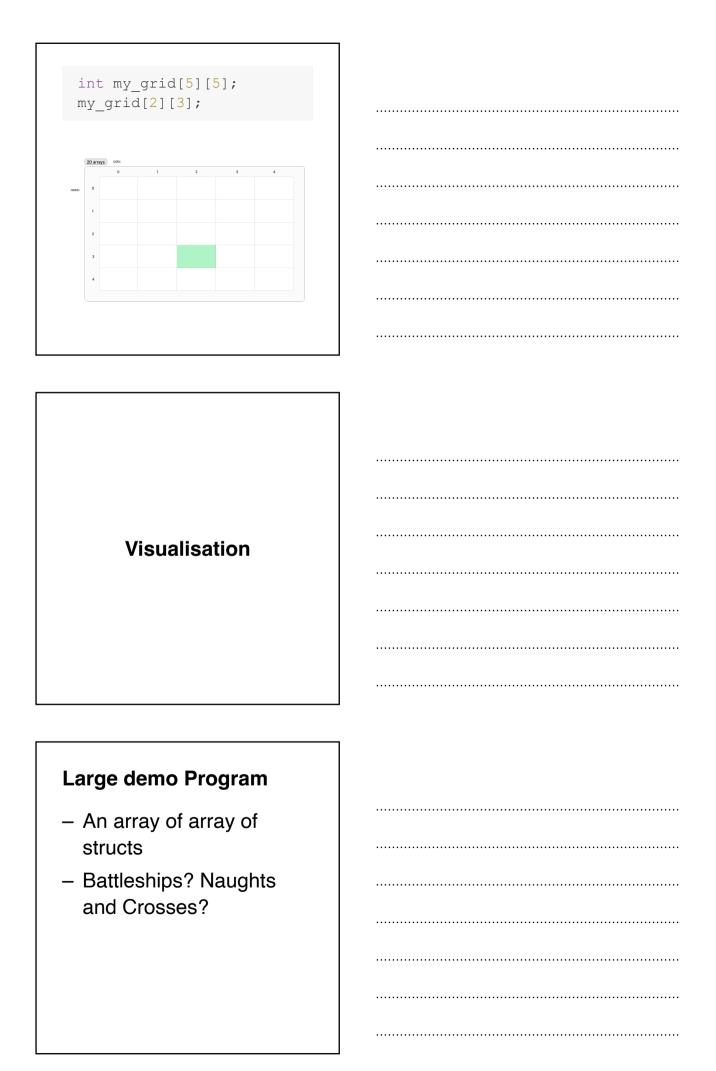
^ Remember we can't reassign like:

```
name = "Mr
Otterington";
```


Arrays of Structs Concept Introduction	
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Structs	
<ul> <li>Structs allow us to store</li> </ul>	
groupings of data	
<ul> <li>We define structs above main and specify each</li> </ul>	
field's type	
<ul> <li>We use the . operator to access the field once we initialise a struct!</li> </ul>	
iriitianse a struct:	
	J
Arrays	
<ul> <li>We can create arrays to</li> </ul>	
store multiples of data	
- They are homogenous,	
so can only store the same type	
3	

We can have arrays of type (char, int, struct, enum)											
index: 0 1 2 3 4 5 6											
values:											
	1										
Structs >> Arrays?											
Girdoto V Arrayo.											
Yes!											







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