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| 2D Arrays | |
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| 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 | |
| | |

| | quotes to wrap the string literal for characters! |
|---|--|
| - Used to assi | gn strings to char[] easily: |
| char name | [] = "Jake Renzella"; |
| Useful string f | unctions |
| - fputs() -> - strlen() strcpy() strcat() strcmp() strchr() - | reads a string prints a string to the string to another prints another (concatenate) prints a compare two strings prints a courrence of a character prints a string a string a character prints a string a string a string a character prints a string a string a string a character prints a string a string a string a character prints a string a string a string a character prints a string a s |

Reassigning a string

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

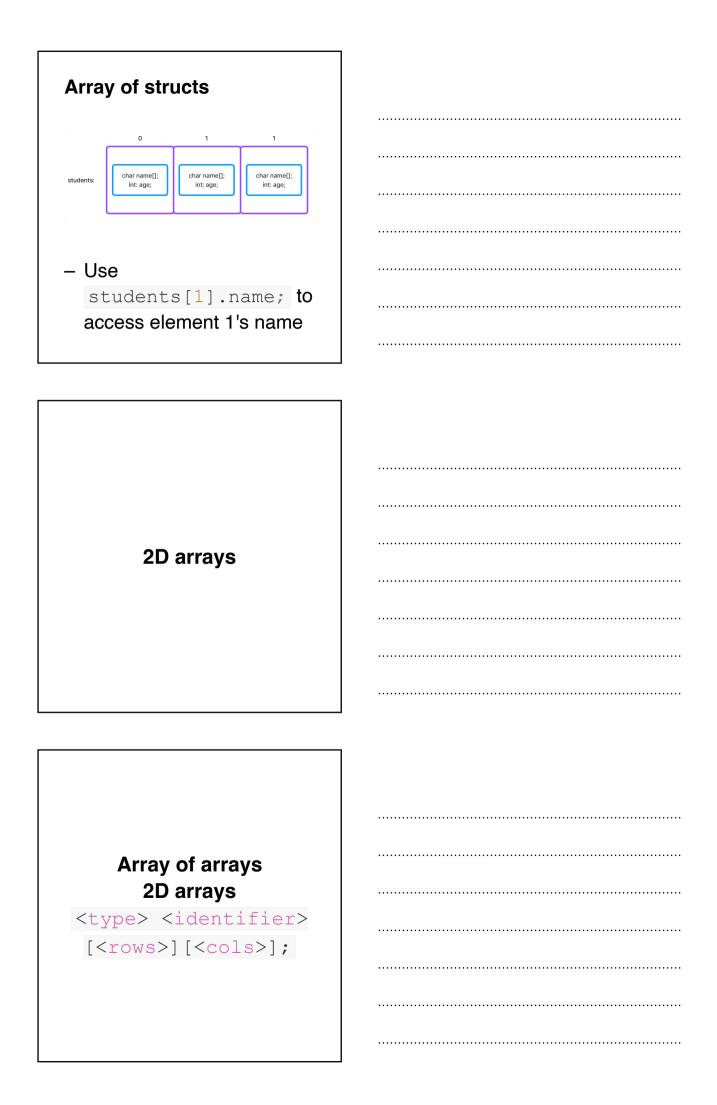
^ Remember we can't reassign like:

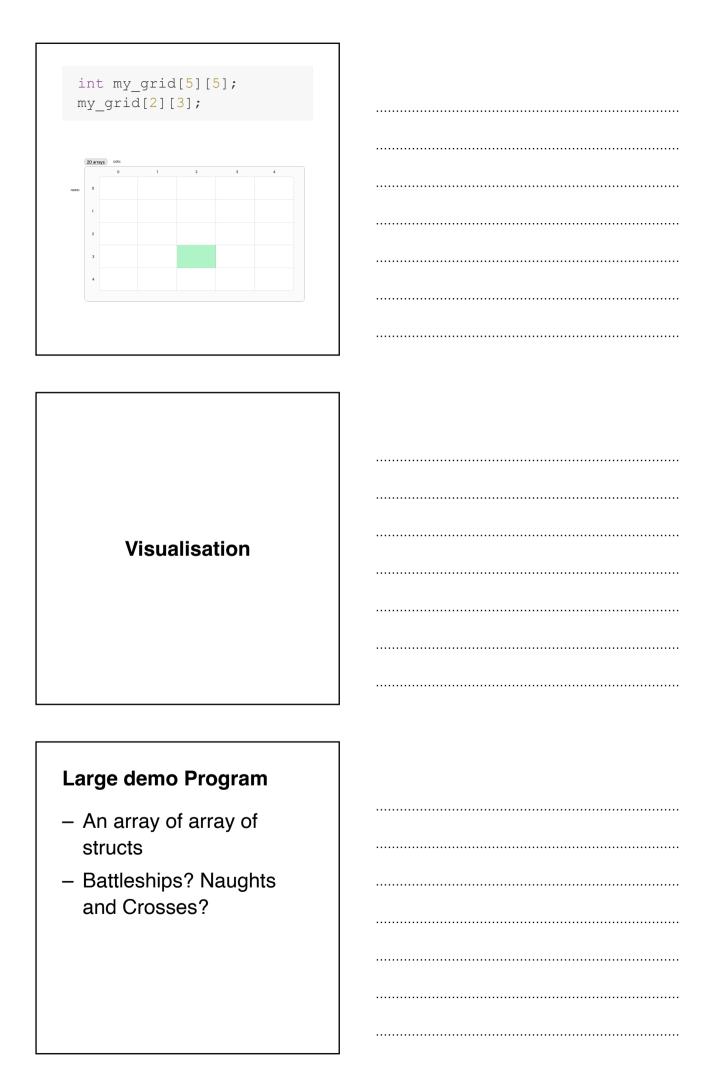
```
name = "Mr
Otterington";
```

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| Arrays of Structs Concept Introduction | |
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| Structs | |
| Structs allow us to store | |
| groupings of data | |
| We define structs above main and specify each | |
| field's type | |
| We use the . operator to access the field once we initialise a struct! | |
| iriitianse a struct: | |
| | J |
| Arrays | |
| We can create arrays to | |
| store multiples of data | |
| - They are homogenous, | |
| so can only store the same type | |
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| We can have arrays of type (char, int, struct, enum) | | | | | | | | | | | |
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| index: 0 1 2 3 4 5 6 | | | | | | | | | | | |
| values: | | | | | | | | | | | |
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| Structs >> Arrays? | | | | | | | | | | | |
| Girdoto V Arrayo. | | | | | | | | | | | |
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| Yes! | | | | | | | | | | | |
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