CSC209 Week 6 Notes

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Struct 1 of 3

- Introducing Structs
 - struct/structures is like dictionary in Python or object in Javascript
 - there are differences between array and structure

	array	structure
data of same type	yes	not required
declaration details	type and number of elements (array [] notation)	types of members (struct keyword)
access via	index notation	dot notation

- items in struct is called **member**
- items in array is called **element**

```
13
          strcpy(good_student.first_name, "Jo");
14
          strcpy(good_student.last_name, "Smith");
15
          good_student.year = 2;
16
          good_student.gpa = 3.2;
17
18
          printf("Name: %s %s\n", good_student.first_name, good_student.
19
     last_name);
          printf("Year %d. GPA %.2f\n", good_student.year, good_student.
20
     gpa);
21
          return 0;
22
      }
23
24
```

Listing 1: struct_example_1.c