CS 161
Intro to CS I

Arrays vs. Structs
Odds & Ends

Assign #6 posted + due Sunday
Lab #16 already posted for everyone.

Final exam – some new material

001 – Thurs. 12-2pm @ Structs

002 – Fri 7:30-9:30am GFLN Aud

All – 2-4pm, 1042. Wed.
Demo Array of Structs, structs.cpp

```cpp
int main() {
    ContactInfo *contacts = new ContactInfo[10];
    create_contact(contacts);
    create_contact(contacts);
    create_contact(contacts);
    create_contact(contacts);
    create_contact(contacts);
    create_contact(contacts);
    create_contact(contacts);
    create_contact(contacts);
    create_contact(contacts);
}
```
```c
main() {
    int a = 10;
    fun(a);
}
```
Exercise #8

• Get into groups of 3-5!!
• Make `int ***p;` point to `int i;`, using only the heap!
• Create a dynamic struct inside a function:

```c
struct book {
    string title;
    unsigned short year;
};

void create_struct(book **b);
```

Write the `main()` and `create_struct()` function, which asks a user if they want to create a book, creates the struct if needed, and sets the title and year.