CS 162
Intro to CS II

More Big Three Concepts
Odds and Ends...

• Last week to demo Assignment #1!!!
• Assignment #2 questions???
What happens with dynamic memory?
What happens with dynamic memory?

```cpp
#include "date.h"

// non-default constructor needs to create memory for member
date::date(char *ml, int d, int y) : m(d) {
    month = new char[strlen(ml)+1];
    strcpy(month, ml);
    day = d;
    year = y;
}

// default constructor needs to set month to NULL
date::date() : m(4) {
    // m=20;
    month = NULL;
    day = 0;
    year = 0;
}

// destructor needs to delete memory on heap
date::~date() {
    cout << "in destructor" << endl;
    delete[] month;
}

// copy constructor, once you define, you have to copy over all info
```
Demo...