



# Week 9

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Exam Review & Questions

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Any general questions?  
Topics you want to go  
over?

# Make our own class

- What do you want to call it?
- We need at least one constructor
- Another member function
- Some member data

# Exam Review (new topics)

- **2D arrays! (C++)**
  - Iterating through them
  - Accessing elements (loops still very important)
- **File streams (C++)**
- **Classes: (C++)**
  - Header files vs. cpp files (what goes where)
  - Constructors, getters, setters
  - Public vs. private
- **Python!**
  - everything covered this week
- All EECS183 material is valid, just expect the focus to be on the newer material

# File Stream Practice

- What do you need to #include?
- Write code to:
  - Create a filestream named myFile
  - Open a txt file called "notes.txt"
  - Read in the first line of text into a variable named note1
  - Print that line to standard output
  - Close the file

# File Stream Solution

```
#include <fstream>
#include <string>
#include <iostream>
using namespace std;

int main(){
    ifstream myFile;
    myFile.open("notes.txt");
    string note1;
    getline(myFile, note1);
    cout << note1 << endl;
    myFile.close();
}
```

# Exam Review Packet

- Another IA (Erin) made a packet of practice exam problems (from 183 study and old exams)
- You may not finish it in class, but give it your best shot!
  - You can work together
  - Solutions are on 183 study/eecs183.org
    - Do as many practice exams as you can!
    - [eeecs183.org](http://eeecs183.org) → resources → exams