

# Before class begins



- Snarf the code DrawCircles
- In case you had problems getting it working earlier, here is the url
  - <http://www.cs.duke.edu/courses/fall12/compsci201/snarf>
- If you are still having problems with eclipse and ambient DON'T WORRY
  - sit in the front (your) left of the room for help

# **Compsci 201: Data Structures and Algorithms**

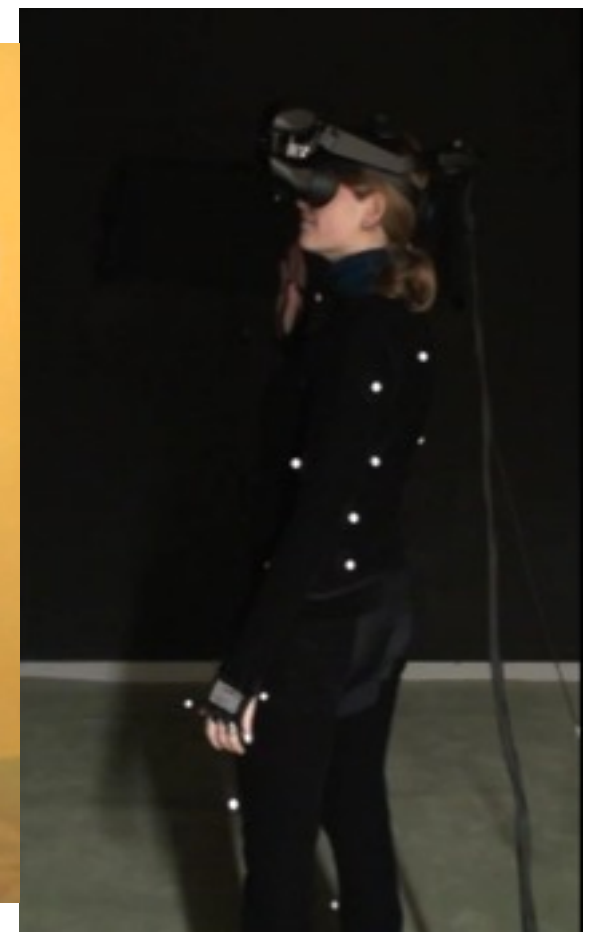
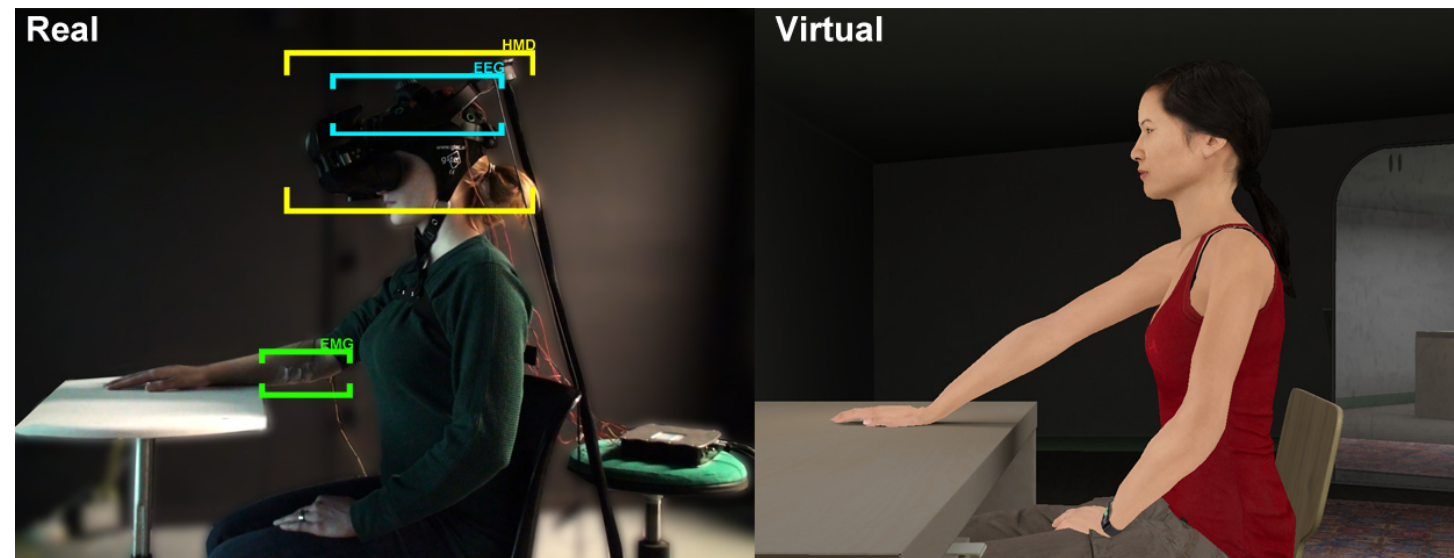
## **Recitation**



# About me



# Interesting CS applications



# Recitation



- Practice
- Practice
- Practice
- Lecture
- Practice
  
- You **NEED** your laptop!

# Feedback



- email
- talk to me
- anonymous
- <http://www.cs.duke.edu/csed/feedback/>

# Eclipse and Ambient



- Let's get this working



# Loops



```
for(int i=0; i<5; ++i)
    for(int j = 5; j > i; --j)
        if(i%2 == 0)
            System.out.print(i+j + " ");
```

What is the output?

- A. 5 4 3 2 1 7 6 5 9
- B. 5 4 3 2 1 8 7 6 10
- C. 6 5 4 3 2 7 6 5 9
- D. 6 5 4 3 2 8 7 6 10



# Java Syntax



- Loops

- ```
for (int i = 0; i < x.length ; ++i) {  
    x[i] += 2;  
}
```

# Java Syntax



- Arrays

# of elements

- `int[] x = new int[5];`

Type

create an object  
(more on Monday)

# Types



- Which can be a valid Java statement?

A. `int[] x = new double[7];`

B. `String[] s = new String[3000];`

C. `Dog[] d = new Dog[20];`

D. B and C

# Practice



- Snarf the code DrawCircles
  - <http://www.cs.duke.edu/courses/fall12/compsci201/snarf>
- Read the assignment
  - It is on the website under Recitation
- Start coding!
- Help your friends!

# Assignment



- 2 APTs (on the webpage)
  - Due Monday
- Make a new class for each APT
- Class and method name must be the same
- Test your APT online as many times as you want