

CS 200 Lab

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Office Hours: 2-4 Friday

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Office Hours: 1-3 Sunday

This Week

- Log in
- Open Eclipse
- Write and run a simple program
- Use checkin
- Get your picture taken
- Go over first assignment

Logging In and Starting Eclipse

- If you can't login, tell the TA now
- Once logged in, open a terminal
- The command “eclipse.sh” will run Eclipse

Eclipse

- Create a new Project in Eclipse for this lab
- Create a new class in this project called Lab1

Today's Exercise

- Write a Java program that:
 - reads in integers from a file
 - prints the sum of every number in the file
 - filename is specified as a command line argument
- The Scanner class can be used to read from the file
- Java API Reference:
<http://java.sun.com/javase/6/docs/api/>

Command Line

- javac is the command to compile
- java is the command to run
- For example:
 - javac Lab1.java
 - java Lab1 input.txt

Checkin

- Checkin command is “~cs200/bin/checkin”
- Syntax is:
~cs200/bin/checkin *assignment file(s)*
- For this lab:
~cs200/bin/checkin Lab1 Lab1.java
- When checking in, always submit your .java files and *NOT* your .class files!

Programming Assignment

- <http://www.cs.colostate.edu/~howe/cs200/cs200-f08.html>
 - Assignments section on the right
- Due Friday, 9/05 (next Friday!) at 3PM
- Parsing data from a text file into a class you create
- Using linked lists

Programming Assignment

- You must create your own Linked List class (can't use the one in Java's API)
- Your Linked List should be usable with any class (can have it hold things of type Object)
- Test your program with the provided file and with your own test cases