Welcome to CS61BL

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Announcements

• Reading assignments are important, but they won’t be announced in lecture.
  – Do the reading!!!
• The course website:
  – http://inst.eecs.berkeley.edu/~cs61b/su09/
• Sign-up for the google group
• If you weren’t in lab yesterday, talk to me after class.

CS Rocks!

I want to make some Person objects
Give me a main method!
Creates the file `Person.java`

I want to make some `Person` objects

To make objects I need a class

Everyone can make these `Person` objects

Start and end the class

Method named `main`

That takes in some arguments

And returns nothing

And they don’t need a `Person` first

// Good looking // comment!

// TODOs are your friend

Instance variables. One per object!

You can even have a reference to a `Person`

// TODOS are your friend
public class Person {
    int myAge;
    String myName;
    Person myParent;
}

public static void main(String[] args) {
    Person susan = new Person();
    susan.myAge = 50;
    susan.myName = "Susan Boyle";
}

public class Person {
    int myAge;
    String myName;
    Person myParent;
    
    public Person(int age, String name) {
        this.myAge = age;
        this.myName = name;
    }
}

public static void main(String[] args) {
    Person susan = new Person(50, "Susan Boyle");
    Person patrick = new Person(101, "Patrick Boyle");
    susan.myParent = patrick;
}

Create a reference to a Person

Set your reference to point to your object

Create a Person

Constructor for a Person

Set this's instance variables

Equivalent to the 3 lines before

Draw what memory looks like at this point!

Draw the result here!
public void mystery(Person person2) {
    this.myParent = person2;
    person1 = new Person(1, "not my parent");
}

public static void main(String[] args) {
    Person susan = new Person(90, "Susan Boyle");
    Person patrick = new Person(101, "Patrick Boyle");
    susan.mystery(patrick);
}

draw what memory looks like at this point!

draw the result here!
Person susan = new Person(50, "Susan Boyle");
Person patrick = new Person(101, "Patrick Boyle");
susan.myParent = patrick;

public void mystery(Person person2) {
    this = person2;
}

You can’t change this!!!