CompSci 6 Programming Design and Analysis

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Project Sites	
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Prof. Rodger

Announcements

- Read for next time Chap. 4.4-4.5, Chap 5
- Assignment 2 due next time
- Reading Quiz for next time

Top 10 list for surviving in CompSci 6

- 10.Read the Book
- 9. Keep Randy's Pizza number handy
- 8. Learn how to spell Rodger
- 7. Ask questions
- 6. Keep working until it is correct

Top 10 list (cont)

- 5. Do the reading quizzes
- 4. Visit your professor, TA and/or UTA
- 3. Read the CompSci 6 Bulletin Board
- 2. Seek help when stuck (1 hour rule)!
- 1. Start programming assignments early!

Parts of a Class

- State
 - Data
- Constructors
 - Initialize state when object is created
- Accessor methods
 - Accessing data
- Mutator methods
 - Modify data change the state

Class Example

• Chicken class – Chicken.java

– Defines state and behavior of Chicken

- Farm class Farm.java
 - Creates Chickens with "new"
 - Invokes the Chicken constructor
 - Calls chicken methods on Chickens to access or change state

What happens here? What is a memory heap? Chicken x, y; Chicken z = new Chicken(1.0,2.1, "baby"); x = new Chicken(10.3, 8.1, "ed");y = new Chicken(6.2, 6.3, "mo");Chicken temp = x;

- x = y;
- y = temp;
- z = x;

Classwork 4 Today



- PART 1: "Snarf" a project
 - Java project we have started for you
 - Run a Java program
 - Modify the Chicken class
- Part 2: APT: CountAppearances

– Add as a class to your project, run on APT page

- Submit project (don't forget README)
- Save your work on your Duke account