CompSci 4
Final Review
Dec 3, 2009

Prof. Susan Rodger

Hope you enjoyed the class!
Announcements

• Be A UTA Fall 2010– CompSci 4 Alice
• Final exam
  – Wednesday, 2-5pm
Extra Office Hours for Checkoffs

- See announcements on main page for CompSci 4 web page
- Last day Friday Dec 4! Hours til 5pm
Grades

• From the Course Web page:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>class participation</td>
<td>10%</td>
</tr>
<tr>
<td>classwork</td>
<td>20%</td>
</tr>
<tr>
<td>reading quizzes</td>
<td>5%</td>
</tr>
<tr>
<td>assignments/homework</td>
<td>15%</td>
</tr>
<tr>
<td>two exams</td>
<td>30%</td>
</tr>
<tr>
<td>final exam</td>
<td>20%</td>
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</tbody>
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• Reading Quizzes –
  – Will drop some points

• Classwork – no drops, you can still turn in Classwork until this Friday, Dec 4 5pm.
Final Exam

- HTML is NOT on the final exam
- Covers Chapters 1-2, 4-7, 8.1, 9-11
- Covers Java (smaller amount)
- Mix of MC, short answer, write code
  - Similar format to tests 1 and 2
- Closed books, closed notes
- Alice: Will give list of properties, methods, functions for an object
- Java: will give string methods, example code
Java Method Signature

```java
public int Mystery(int [] lotsOfValues)
{
    // body here
}
```

- **public** – accessible by all other methods
- **int** – type of value returned
- **Mystery** – name of function
- **int [] lotsOfValues**
  - Array of integers
If I give you a method with …
What do you write down first?

1. An Alice list – suppose it is called *balls*
2. An Alice array – suppose it is called *animals*
3. A Java string where you do something to each character in the string – string is called *dna*
4. A Java array of strings – array is called *prots*
How to Study

• Reading Quizzes – will put on Blackboard
• Classwork – review, try to write code on paper – especially Java APT methods and Alice methods from tests
• Assignments – review (especially Asg. 6)
• Practice writing code – if, loop, array, list, etc.
• Old Tests – Alice Tests and one Java quiz
CompSci 6 - Java Demos

• CompSci 6 classwork
  – Bouncing Balls
  – Images
  – Name Surfer
  – Drawing repetitive patterns
If I give you a method with …

ANSWERS for previous slide

1. An Alice list – suppose it is called *balls*
   For all world.balls, one obj item_from_balls at a time

2. An Alice array – suppose array animals size 5
   Loop index from 0 up to but not including 5 incr by 1

3. A Java string where you do something to each character in the string – String dna
   for (char item_from_dna: dna.toCharArray())

4. A Java array of strings – array is called prots
   for (String item_from_prots: prots)