Announcements

• Project #5 due on Thursday
• Exam #2 in 12 days (Monday 11/19)
WordArt Example

Let’s look at this project:

1. WordStream interface
2. WordArt.Java

3. Now what kind of streams can we invent?
   - WordStreamFromFile.java
   - WordStreamFromKeyboard.java
   - WordStreamFromURL.java
   - RandomWordStream.java

4. Let’s run the driver(s)!
# Method Overloading

What is method overloading?

Is this a bad idea?

Which of these pairs are OK?

<table>
<thead>
<tr>
<th>Method 1</th>
<th>Method 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>public void foo(int x)</td>
<td>public void foo(int x)</td>
</tr>
<tr>
<td>public void foo(int y)</td>
<td>public void foo(long y)</td>
</tr>
<tr>
<td>public void foo(int x)</td>
<td>public void foo(int x, long y)</td>
</tr>
<tr>
<td>public int foo(int y)</td>
<td>public void foo(long x, int y)</td>
</tr>
<tr>
<td>[This can be tricky!]</td>
<td></td>
</tr>
<tr>
<td>public void foo(int x, String y)</td>
<td></td>
</tr>
<tr>
<td>public void foo(String x, int y)</td>
<td></td>
</tr>
</tbody>
</table>
Ternary Operator

What are some unary operators?
What are some binary operators?
There is just one ternary operator:

\[ X ? Y : Z \]

X must be a boolean expression
Y and Z must have similar types

What does this operator do?

Examples: