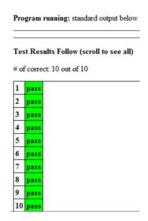
CompSci 100e Program Design and Analysis II



January 20, 2011

Prof. Rodger

CompSci 100e, Spring2011

Announcements

- Apt-one (renamed apt-0125) due Tuesday
 - Seven apts (2 in lecture, 2 in lab, 3 additional)
- Include a README text file with every apt or assignment submission (see info page on course web pages)
- Read Chapters 1.5-1.6 and 2.1-2.1
- Helper hours starting check the web page

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Another type of "for " loop

- Collections for loop gives you one item at a time from the array
- Three parts to this kind of "for" loop
 - Type of item In the array
 - Variable for that type
 - Name of the array
- Useful when you want to do something to everything in the array and don't need index numbers

```
Example – collections "for" loop
```

```
String name = "Steve Jobs";
int count;
for (char ch: name.toCharArray())
{
    if (ch == "e")
    {
       count ++;
    }
```

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Using methods with a class

- A java file represents a class WordCount.java
- To use the class must create an object of that type
- Likely in main method
 - WordCount wc = new WordCount();
- The object (wc) can use methods with it
- method: int countWordOccurences(String word)
 - To use (invoke method):
 int cnt = wc.countWordOccurences("phone");

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