- See PortableApps.com

- Questions?

- Reminder: midterm exam Monday

- Grading Criteria for the 55 execution points for prog. 2:
  10 Doesn't display board on console, but does display it graphically
  10 Doesn't display board graphically
  15 Doesn't correctly blank out squares for initial board
  5 Correctly identifies a word as correct or incorrect
  10 Updates board with word
  7 Displays solution when "exit" is entered

(> 55)

- Classes (cont...)

[See example code developed online]

Date example: 

- Chaining constructors using this

  - static variables

  - count number of created objects

  \[
  \begin{array}{c}
  \text{Date1} \\
  \text{day, mo, yr} \\
  \text{Date2} \\
  \text{day, mo, yr}
  \end{array}
  \]

- equals method

- compare individual fields

- copy constructor
  
  create a new date based on existing date
  "deep" vs. "shallow" copy
  references: two dates can point to same date

Nested classes:

- Employee class with a nested Date

- What happens when we have a copy constructor for Employee, but don't call the copy constructor for the nested class?
Strings are immutable. Consider the output of:

```
1. String a = "facetious";
2. String b = a.toUpperCase ();
3. System.out.println (b);
```

```
1. String a = "swims";
2. a.toUpperCase ();
3. System.out.println (a);
```

```
1. String a = "queuing";
2. a = a.toUpperCase ();
3. System.out.println (a);
```