Anyone have any general questions?
common psa6 errors

- repaint from paintComponent()
- status=new JLabel("sometext")
  - correct way: status.setText("sometext");

Too the CODE!
inner classes

- Define a class within a class
  - better organization of instance variables
  - good for repeating groups of instance variables
- Shared access between inner/outer class

http://docs.oracle.com/javase/tutorial/java/javaOO/nested.html
inner classes: put another way

- Inner classes are like internal organs, they are part of the whole but specialized for specific tasks
- Outer Class doesn't make sense without inner class and vice versa
  - body needs organs
  - organs need body
- Really just a fancy organizational tool
class OuterClass {
   //...stuff 'n' things
   class NestedClass {
      //...things 'n' stuff
   }
}

Too the more complicated example!
OuterClass.java
Button jbtReset = new JButton("New Game");
jbtReset.addActionListener( new ActionListener() {
    public void actionPerformed( ActionEvent e ) {
        theBoard.clear();
        status.setText("Welcome to Connect 4. Blue's turn");
        turn = 'X';
        repaint();
    }
});
class ActionListernSub extends Actionlistener {
    public void actionPerformed( ActionEvent e ) {
        theBoard.clear();
        status.setText( "Welcome to Connect 4.  Blue's turn" );
        turn = 'X';
        repaint();
    }
}
JButton jbtReset = new JButton( "New Game" );
jbtReset.addActionListener( new ActionListenerSub());
nested vs anonymous inner class

• anonymous is declared on the spot
  ○ has no name hence its name
  ○ since no name, have to create it exactly where we are going to use it (ie can't make multiple)
  ○ good for simple inner classes
  ○ ugly looking code (but less of it)

• nested class has name
  ○ allows us to create as many instances as we like
  ○ good for complicated internal structures
  ○ nicer looking code, but more of it

Really not much difference, just different syntax
Use the one you like more
REASONS WHY PEOPLE WHO WORK WITH COMPUTERS SEEM TO HAVE A LOT OF SPARE TIME...

Web Developer  Sysadmin  Hacker

'It's uploading'  'It's rebooting'  'It's scripted'

3D Artist  IT Consultant  Programmer

'It's rendering'  'It's your problem now'  'It's compiling'

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