Threads Lab I

CS 245

Oct. 2, 2002

- 1. Download Bounce1.java from the class home page. Compile and run it. Notice that you can start the bouncing ball, but you can't stop the bouncing ball.
 - Looking through the code, explain exactly why the applet doesn't respond to click on the stop button.
 - Notice how long it takes for the applet viewer to go away when you terminate it.
- 2. Download Bounce2. java from the class home page. Compile and run it.
- 3. What happens if you comment-out the last call to draw() in Ball's run() method? (You may need to go through several start/stop cycles before you notice any changes.)
- 4. Study actionPerformed() to learn how the animated ball is started and stopped.
- 5. Extend the applet so that it starts and stops three animated balls, each a different color.
- 6. Extend the applet by:
 - (a) Add a *New Ball* button. During ball animation, each time this button is pressed another ball is added to the mix of bouncing balls, up to a maximum of 20 balls.
 - (b) The stop button should stop all the bouncing balls.
 - (c) The start button should start a single bouncing ball.