Eclipse/Applets

11/13/2009
Opening Discussion

- Do you have any questions about the quiz?
- Minute Essay comments
  - Do we really have class the Wednesday before Thanksgiving?
  - Scratch
  - Installing Linux
  - HTML and Applets
Eclipse

- We have been working in Greenfoot because it is good for learning. It is simple and doesn't provide too much help so you learn what you are doing.
- Eclipse is a professional IDE (Integrated Development Environment). This is the type of tool real developers use. It is complex, but helps you program.
- Netbeans is another professional IDE for Java.
Applets

- One of the reasons Java became so popular to start with was because of Applets. These are Java programs that you can put in web pages.

- To make an applet we make a class that inherits from either `java.applet.Applet` or `javax.swing.JApplet` then add proper logic.
Main Methods of Applets

- void paint(Graphics g) - This method is called every time the applet is redrawn. Draw to the Graphics object much like a GreenfootImage.
- void init() - Called when page first loaded.
- void start() - Called every time you return to page.
- void stop() - Called when you leave the page.
- void destroy() - Called when the browser exits.
Applet Writing

• Let's write an applet in Eclipse.
• If we have time, we can see how we would put that up on a web page in the CS web space.
Minute Essay

• What do you see as advantages/disadvantages to an environment like Eclipse?