Eclipse/Applets

4/22/2009
Opening Discussion

- Minute Essay comments
  - Why do we remove classes from the list?
  - Why did we make the recursive method private?
  - How does the Genius feature of iTunes work?
  - Final length and nature. Cumulative?
  - Adding conditions to the schedule builder.
Eclipse

- We have been working in Greenfoot and BlueJ because they are good for learning. They are simple and don'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 both BlueJ and 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?

• Remember to send me project ideas by Friday.

• Friday is “Show Your Code” and a quiz.