Using a List

2-10-2009

Opening Discussion

- Minute Essay comments
    - Remembering frequently used code.
    - When do you write Greenfoot._?
    - Making problems harder than they should be.
    - Common sense and programming.
    - Difference between Greenfoot API and "normal" API.
    - A loop is a construct that allows us to tell the computer to do something multiple times.

More Minute Essays

- The significance of "i".

- Asking questions during class.

- The value of "howMany". 5 was just an example.

- What to do about crying in the corner in a fetal position because of Greenfoot.

Import Statements

- Sometimes Java needs help figuring out where to find some classes. The import statement does this.

- All your Greenfoot files have started with one of these to bring in the Greenfoot classes.

- To use the List type we want to an an import statement at the top of the file.

    – import java.util.List;

House Hunting

- Let's work on a method in our person called findNearestHouse().

- Last time we wrote a loop to run through the houses.

- Once we can do that we need to figure out how to determine which one is closest.

One Person Per House

- The last step is to only allow one person in each house.

- This requires giving each house the ability to remember if it has a person there already and allowing people to ask if a house is occupied.

- Once we have that we just add a little logic into our existing code.

Minute Essay

- Is the purpose of a List clear to you?

- We will spend one more day talking about these topics before the interclass problems.