

# New Scenarios

2-19-2010

# Opening Discussion

- Minute Essay comments
  - Will the midterm take the whole period?
  - Can you use the API during the midterm?
  - Should you be freaking out about the midterm?
  - What are some other uses for arrays?
  - Can you put an if in the second term of a for loop?
  - What is the difference between arrays and lists?
  - Quiz problem #2, knowing the pieces, not not how to put them together.

# Making New Scenarios

- Greenfoot makes it fairly easy to create new scenarios.
  - Select Scenario > New.
  - Give the Scenario a name.
  - Right click on World to make the world type for this scenario.
  - Right click on Actor to make actors for this scenario.

# Another Objective

- I want the houses to “kick out” the person in them after a certain length of time.
- Let's have the person remember all the houses visited and not return to any. I want to implement that.

# Making Our Own Lists

- In order to accomplish this new objective we have to make our own lists.
- To do this we declare a List variable like before. Only now we will use new to make one.
- It turns out that we can't make a List. We can make subtypes of List. We will use the ArrayList subtype.
  - `List<House> houses=new ArrayList<House>();`

# Minute Essay

- Monday is a “show your code” and can include some review. What would you like to see us talk about/do?
- Review sessions will be held at the following times. You come with questions, we just answer them.
  - 3pm Monday
  - 6:15pm Tuesday