Opening Discussion

- Minute Essay comments
  - Inclusive or.
  - Adding code. How do you know?
  - A list is an object that can store a group of objects.
  - List are often used in loops, but don't have to be.
  - Other capabilities of lists. Can you have sublists?
  - You can use list anywhere you want in your code. Later we will learn how to make lists.
One Person Per House

• Our goal for today is to make it so that only one person can go into a house at a time.

• We are going to do this in a number of different steps.

• First we should go add code to the person that checks if the person has reached a house yet.
Giving Building a Memory

- Now we need each building to remember if a person is in it.
- We will actually give the house a count of the number of people in it and make this work first.
  - private int numInside;
- Then we can add public methods to interact with it.
- Once we have that, we can try to make the people avoid houses that have already been taken.
null Option in the Loop

- Our last problem is that if there are more people than buildings, people should stand around at the end.
- This doesn't happen right now.
- We need to initialize the closestBuilding to null and add logic to handle that.
Minute Essay

- We are moving to a new topic on Monday. Do you have further questions about lists and the for loop?
- On Monday we will take a quiz and do show your code.