while Loops

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Let's look at some solutions to the interclass problem.

When is the for loop not ideal? When you can't easily calculate beforehand how many iterations to do.

Using the Java view in Alice.

Do you have any questions about the project?
The while Loop

- Last time we saw how we can use a for loop to repeat code a certain number of times. As long as we could calculate the number of times in advance it worked great.
- Many times you want something to happen until a certain condition is achieved. For this you use a while loop.
- The while loop takes one argument, a boolean expression. The body is executed repeatedly as long as the statement is true.
- If the body of the loop can't change the condition you get an infinite loop.
- The while loop is a pre-check loop.
Now that we have a lot more elements to play with, I want us to write something more significant in Alice.

Though it might pain some of you, I want to pull in a little physics here so that we can use a bit more of our math skills in Alice.
- Do you have a good idea of what you want to do for the project?
- Interclass Problem – Do one of the following problems: 4.9, 4.10, or 4.11.