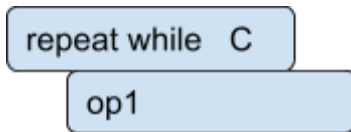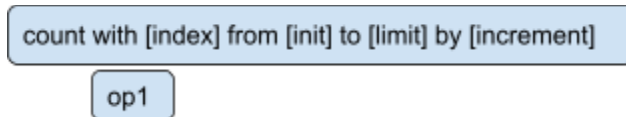# Repeat Loops, conceptual
CS 107

0. Specify the steps an app takes when executing a *repeat while*

answer
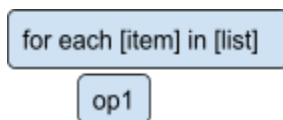
1. Check if C true
2. If C true,
   a. perform op1
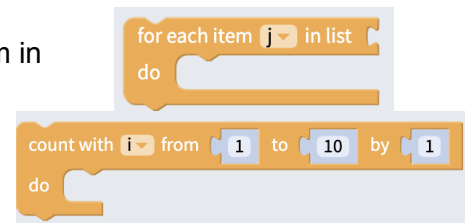   b. jump back to 1
   if C false, continue on (pop out of loop)

1. Specify the steps an app takes to process "count with"

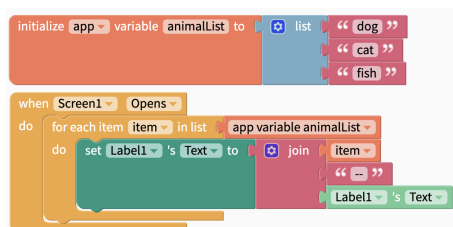2. Specify the steps an app takes to process "for each item in list"

3. Why is "j" a poor default variable name for the "for each item in list" block? Why is "i" a reasonable name for the variable in "count with" block?

4. Explain how a "repeat while" is similar to an "if", and how it is different.

5. Trace the following app, showing the values of "item" and "Label1.Text" on each iteration. Assume Label1.Text begins as "".

What is the value of Label1.Text when the code is complete?

6. Pseudocode a version of the app in (4) so that Label1 displays the list as: dog--cat--fish with no "--" at the end. (pseudocode means don't use Thunkable, just sketch it out in your Google doc). Can you solve this with "for each item in list"? Or do you need "repeat while" or "count with"?