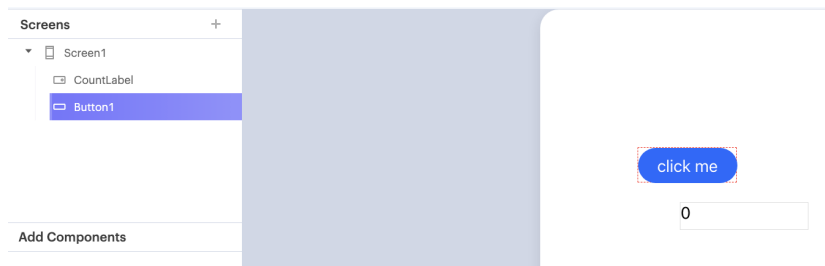
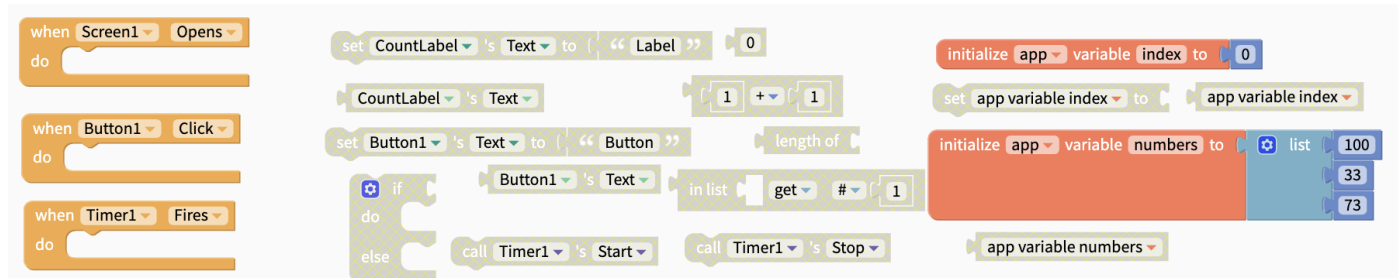


CS 107
Sample Test Coding Questions

Consider the following UI and blocks:



Button1 is the one with “click me” on it. CountLabel is the label with a 0.



Sketch blocks, on paper, for the following problems:

1. Code blocks that show, in CountLabel, how many times Button1 has been clicked.
2. Modify the code so that Button1 also shows how many times it has been clicked. Specify any changes you might need in the initial component properties (Designer or Screen.Opens)
3. Code blocks so that each time you click Button1, it toggles between “click me” and “stop it”
4. Code blocks so that the first number in “numbers” is displayed in CountLabel when the app launches, and each time you click Button1, it shows the next number in the list “numbers”. If the last (3rd) number is showing, and Button1 is clicked, show the first item in numbers.
5. Code blocks so that clicking Button1 causes the number in CountLabel to increase by 1 every 2 seconds.
6. Code blocks so that each time you click Button1 it shows how many times its been clicked, but when the number reaches 5, it starts counting down on each click, down to 0, at which time it starts counting up.