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Random Testing Quiz
Due: 22 October 2017

Process of creating the random tester:

The first step was downloading the code and going through it to see what was the goal of the program. Essentially, we have a while loop that will keep on running, taking in random characters and advancing states every time a certain character is randomly chosen. And once we do that, there is a final call to inputstring() where we want the string to be "reset\0". This will take many iterations of the while loop since all of this is random.

I implemented the input char first to generate random characters. Characters are represented by integers in C so we chose a range of values of all the characters, which starts at 32 and goes upwards. From stack overflow:
https://stackoverflow.com/questions/19724346/generate-random-characters-in-c
getting a random character was just getting a char from a string. But another way was using the ASCII characters from : https://www.cs.cmu.edu/~pattis/15-1XX/common/handouts/ascii.html.
I used the second approach.

After, I implemented the inputString function. Here, I used a similar approach to the inputChar function but instead of using the []{}() characters, I just used the lower case alphabet (a through z). I wanted to generate one character at a time to get random input so this would take many times to get the right random combo to make "reset\0".

To run the testme program, just run "make".