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CS 362
Random Testing Quiz

Describe how you developed your random tester.

The provided `testme.c` file included a `testme()` function to run a test in a while loop. This loop checks indices of a string if it matches the string "reset\0" and `state = 9`. In every iteration of the loop, it calls two functions: `inputChar()` and `inputString()`.

`inputChar()` function contains a char array of characters that will make one of the conditional in `testme()` IF statements true and set the state accordingly. `inputChar()` will return a random character in the array.

`inputString()` function contains a char array of characters that align with the last conditional statement in the `testme()` function. There are characters in the char array that are not in the conditional statement in the `testme()` function, which will make the test a bit longer such as characters 'a', 'b', 'c', 'd', 'f'. The purpose of including these characters is to test outside the bounds of the last conditional statement. Moreover, the `inputString()` function will loop through the char array and randomly select characters to make up a six char string which will then be returned for the last conditional IF statement in the `testme()` function.

Once the last conditional IF statement in the `testme()` function is TRUE, it will print "error" and end the application.