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OSU CS362 Random Quiz

The testme.c program uses the two functions, inputChar() and inputString() to generate the random input for the testme() function. I looked looked at the testme() function and noticed this it would look for the state and the inputChar input. The possible outputs of inputChar were 9 possible outputs; [,(,{, ,a,x,},),]. The results were randomly outputted depending on rand() function with the time as the seed. For inputString(), it returns a character pointer and is only called in the conditional within testme() where if the character pointer is "reset\0" and the state is equal to 9, testme() exits the loop. Essentially the way inputString works is that it randomly puts the 5 possible characters, [r,e,s,e,t] and has a terminator appended to the end. Therefore it is a type of bogosort where it stops once it enters the conditional with the proper string. Since the temp address had to be called outside of the inputString scope, temp had to have memory allocated to the character pointer.

Overall the random tester creates random input from the mutable states in an infinite loop until the error state is met (the bogosort of reset\0 and the state = 9). Since the string that was the target was short, the runtime was not long.