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CS362-400
Random Testing Quiz

To create the random inputs for this quiz, I did the following:

inputChar(): I limited the randomness to be between the ascii values for [and ' ' which were characters 32 and 125. This way inputChar would have a higher chance of returning a value that the function was looking for. Based on the function's scope any ascii values below 32 and above 125 are out of scope. I am not sure if this affects the true randomness of the test though. Perhaps it would be better to just limit the characters to all ascii characters?

inputString(): I created a static string within this function that is 6 characters long. Since all strings in C end in a '\0' I did not generate a random character for the final index. For indices 0-4, I used a for loop to set a random character for each index and then returned the string.

To make the program run faster, I limited the random characters to be between 101 and 117 ('e' and 't') since all of the characters in the string that was being looked for were between those letters (inclusive).

I am not sure if this affects the true randomness of the test though. Perhaps it would be better to just limit the characters to all lowercase letters?