Random Testing Quiz

In order to implement a random tester for the function testme() in testme.c, I need to choose input ranges to cover everything in function testme().

Starting with inputChar() section. I looked up ASCII table to determine the lowest and the highest value needed to be my range. Result below shows lowest = 32, highest = 125. So I used rand() and additional calculation to generate integer between 32 and 125.

Dec	Char
91	[
40	(
123	{
32	
97	a
120	x
125	}
41	)
93	]

Moving on to inputString() section. Similar method is taken. I chose to cover all lowercase letter as my range (97 – 122 inclusive) instead of using lowest and highest value assuming any character can be used as part of a string in more realistic settings (need to make sure the lowest and highest value are included in the chosen range). I set the string length to minimum 6, which is "reset" plus "\0". During implementation, I used a for loop to fill up the string.

Dec	Char
114	r
101	e
115	s
116	t

The program will keep running until error occurred.

URL for my GitHub fork (also reordered in the comment section in Canvas submission): https://github.com/wangch7/CS362-W2019