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CS362 – Random Testing Quiz 2

The first function `inputChar()` chooses a random character by choosing a random integer from the ASCII table. I chose to limit the possible choices to the ASCII characters 32 to 126, which will include the characters that are looked for in the `testme()` function. This is accomplished by the relatively simple function `char randomNum = (rand())%95)+32;` For each iteration of `testme()`, a random character is returned.

For the second function `inputString()`, I first created an array that holds the characters being looked for in the `testme()` function ("r e s t /0"). I then allocate memory for a string that will be composed of random characters from the first array. Determining the random characters is accomplished in a similar manner to the first `inputChar()` function. This string is returned to the `testme()` function.

For testing and verification purposes, I ran my program 5 times and each time I arrived at a different iteration result each time.