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### **Random Testing Quiz Write-Up**

When I started developing this random test I focused on being able to get the result in less than five minutes. I knew I was going to have to limit both the character and the string. To limit the character I only allowed it to be one of the nine possible characters. I did this by creating a string of all of the characters, then picking a random number (0 - 8), I then picked the character at that index from the string.

I also knew that I wanted to limit the string. I decided to limit it between the letters e and t. This is because all of the required letters (e, r, s, and t) fall between those two letters. I created a string that was going to be six characters long and set the last character to null. For the first five I randomly selected a number between (101 and 117, the ASCII character numbers), I changed the number to a character and added it to the string.

The lowest number of iterations I had while testing was seventeen thousand, the highest I had was around two-hundred thousand.