

Random Testing Quiz

The purpose of this assignment was to get the program to prompt an error message, within 5 minutes. In order to do that, I decided to use a fixed string size to generate a random char value. I defined the string variables as a constant for example:

```
#define RANDOMC "({ abcdefghijklmnopqrstuvwxyz})"
```

```
#define LENGTHC strlen(RANDOMC)
```

"RANDOMC" is a string constant that stores all the lowercase letters from the alphabet, plus the brackets. LENGTHC is the string length of the string constant RANDOMC. The constants were used in the inputChar() function.

I decided to use a specific string statement for testing instead of all the ASCII for simplicity and speed. I defined more constants for the inputString() function like:

```
#define RANDOMS "resetswitch"
```

```
#define STRINGLEN strlen(RANDOMS)
```

Like before RANDOMS is the string constant and STRINGLEN is the string length of RANDOMS. In the inputString() function, there is also a for loop that uses the string length and fills a char array with random char values from the RANDOMS string constant.