**FUNDAMENTALS TESTING:**

1. Test the first version – INDEXING STRINGS
2. Positive case:

- Expectation: That an unspecified string of characters can be entered and user can quit the program by inputting 'q' --> PASSED

Start of Indexing Strings Demo

Type a string (q - to quit):

Hello my name is Rahul

Type the character position within the string:

5

The character found at 5 position is ' '

Type a string (q - to quit):

q

End of Indexing Strings Demo

1. Negative case:

- Expectation: That the character position would show the placement of the character by the length of the string

- Actuality: the character position only showed the index of the string. Was expecting the output of the 5th position to be 'o' not a blank space.

Hello my name is Rahul

Type the character position within the string:

5

The character found at 5 position is ' '

1. Test the second version – MEASURING STRINGS
2. Positive case:

- Expectation: The program would account for all sorts of character types in the character count --> PASSED

Start of Meauring Strings Demo

Type a string (q - to quit):

Hello my name is rahul

The length is 22

Type a string (q - to quit):

g978-9jhde09ue9d9idej

The length is 21

Type a string (q - to quit):

1. Negative case:

- Expectation: That the program would allow the user to input a string of characters and the user would get the length of the string returned back

-Actuality: the program couldn't recognize spaces, and did not account them in the character count. (characters of the input is 51 including spaces)

Type a string (q - to quit):

999999999999999999999999999999999999999999999 i 0

The length is 49

Type a string (q - to quit):

3. Test the third version – COPY STRINGS

a. Positive test case:

- Test a string within the size, test with numbers and special characters – everything went well – PASSED:

\*\*\* Start of Copying Strings Demo \*\*\*

Destination string is reset to empty

Type a source string (q - to quit):

This is a normal string

New destination string is 'This is a normal string':

Destination string is reset to empty

Type a source string (q - to quit):

12 34 / 45124 ? 350

New destination string is '12 34 / 45124 ? 350':

Destination string is reset to empty

Type a source string (q - to quit):

Once upon a time, there is a princess, and she never exists.

New destination string is 'Once upon a time, there is a princess, and she never exists.':

Destination string is reset to empty

Type a source string (q - to quit):

q

\*\*\* End of Copying Strings Demo \*\*\*

b. Negative case:

- Enter an oversize string (more than 80 characters) – the compiling stopped, the string was corrupted, the test PASSED:

\*\*\* Start of Copying Strings Demo \*\*\*

Destination string is reset to empty

Type a source string (q - to quit):

Sleeping in his car was never the plan but sometimes things don't work out as planned. This had been his life for the last three months and he was just beginning to get used to it. He didn't actually enjoy it, but he had accepted it and come to terms with it. Or at least he thought he had. All that changed when he put the key into the ignition, turned it and the engine didn't make a sound.