How Long is a (Piece of) String?

> This is a **warmup** exercise. It is **not compulsory**, and may be completed **individually or with your lab partner**.

Working with text is fairly common, and in C, we treat text as an array of characters, where the last character is followed by the character `\0`, which we refer to as the **null terminator**.

For this activity, you'll be writing the function `stringLength`. It takes a string, and finds its length, excluding the null-terminator.

Download `stringLength.c`, or copy it into your current directory on a CSE system by running

```
$ cp /web/cs1511/17s2/week05/files/stringLength.c .
```

We've provided some simple, `assert`-based tests to help you build your solution:

```
    assert (stringLength ("") == 0);
    assert (stringLength ("!") == 1);
    assert (stringLength ("Hello, world!") == 13);
    assert (stringLength ("17... seventeen.\n") == 17);
```

You should probably write more tests to demonstrate your solution works.

To run some simple automated tests:

```
$ 1511 autotest stringLength
```

To run Styl-o-matic:

```
$ 1511 stylomatic stringLength.c
Looks good!
```

You'll get advice if you need to make changes to your code.

Submit your work with the *give* command, like so:

```
$ give cs1511 wk05_stringLength
```

Or, if you are working from home, upload the relevant file(s) to the `wk05_stringLength` activity on Give Online.