

# Character Index

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

You should make sure you have completed [readLine](#) before completing this task.

Download [charIndex.c](#), or copy it into your current directory on a CSE system by running

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

Start by copying your `readLine` code into the provided function stub.

You are given a `main` function which reads in a string and a character. You are to implement the `int charIndex(char c, char *string)` function which takes a character and a string and returns the index (position) of the first appearance of the character in the string. If the character doesn't appear in the string, you are to return `NOT_IN_STRING`.

## Some Examples

```
Enter a line: Hello, world!  
Enter a character: w  
Index of character 'w': 7
```

```
Enter a line: aaa  
Enter a character: a  
Index of character 'a': 0
```

```
Enter a line: aaa  
Enter a character: b  
Character 'b' is not in the string.
```

To run some simple automated tests:

```
$ 1511 autotest charIndex
```

To run Styl-o-matic:

```
$ 1511 stylomatic charIndex.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_charIndex
```

Or, if you are working from home, upload the relevant file(s) to the `wk05_charIndex` activity on [Give Online](#).