

# Rotate Thirteen

This is a **pair** exercise and must be completed in your **tutorial** or **lab** with your partner.

In this activity, you need to complete a function called `rotateThirteen` which takes a string and rotates each character by thirteen positions in the alphabet.

To see more about this algorithm, check out the [wikipedia article](#).

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

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

You will need to use your `stringsEqual` function from the `stringsEqual` activity this week for tests to work.

You may want to use your `rotateOne` function from the `rotateOne` activity.

You may want to use your `stringLength` function from the `stringLength` activity.

To run some simple automated tests:

```
$ 1511 autotest rotateThirteen
```

To run Styl-o-matic:

```
$ 1511 stylomatic rotateThirteen.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_rotateThirteen
```

Or, if you are working from home, upload the relevant file(s) to the `wk05_rotateThirteen` activity on [Give Online](#).