Swap Function

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

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

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

You have been given an incomplete `main` function, as well as a `swap` function to implement.

First, complete the `void swap(int *a, int *b)` function, which takes in pointers to two integers, and must swap their values around so that they are swapped once the function is complete.

Then, on line 17, call the `swap` function on the two variables, `a` and `b`, which have been read in. Do not change any other part of the `main` function.

Some Examples

```
Enter two numbers: 1 33
The numbers swapped are 33 and 1.
```

```
Enter two numbers: 17 -17
The numbers swapped are -17 and 17.
```

To run some simple automated tests:

```
$ 1511 autotest swapFunction
```

To run Styl-o-matic:

```
$ 1511 stylomatic swapFunction.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_swapFunction
```

Or, if you are working from home, upload the relevant file(s) to the `wk05_swapFunction` activity on [Give Online](#).