

Copy Array

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 [showArray](#) and [scanArray](#) before completing this task.

Copy your `scanArray.c` into a new file called `copyArray.c` like this:

```
cp scanArray.c copyArray.c
```

You will be implementing an array copying function, with the prototype `void copyArray(int size, int fromArray[MAX_LENGTH], int toArray[MAX_LENGTH])`, which should copy the values from the `fromArray` to the `toArray`.

You must also add these lines to the end of your `main` function, just before the `return EXIT_SUCCESS`:

```
int copiedArray[MAX_LENGTH];  
copyArray(size, array, copiedArray);  
showArray(size, copiedArray);
```

Some Examples

```
Enter array size: 3  
Enter array values: 1 2 3  
[1, 2, 3]  
[1, 2, 3]
```

```
Enter array size: 1
Enter array values: 17
[17]
[17]
```

To run some simple automated tests:

```
$ 1511 autotest copyArray
```

To run Styl-o-matic:

```
$ 1511 stylomatic copyArray.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_copyArray
```

Or, if you are working from home, upload the relevant file(s) to the `wk05_copyArray` activity on [Give Online](#).