

CSCI 1301 – Lab 28

November 18, 2019

1 Project #3

1.1 Set-Up

For this third project:

- Download and extract this project¹. It contains two .cs files, `ArrayLib.cs` and `Program.cs`.
- Compile and execute it.
- Observe first `Program.cs`: this is a *test program* that you **should not modify**. It will be useful to test the methods that you will be writing in the `ArrayLib.cs` class file. For each method, this program display the expected value, and what is actually returned. As you can see, only the `Display` method seems to be always correct.
- Now, read `ArrayLib.cs`. Every method listed in `Program.cs` has a header, but all the bodies are returning “default” values or do nothing, at the exception of `Display`. This last method was written for you.

1.2 Your goal

Your goal is to write the body of the methods in the `ArrayLib` class. You should not change their headers. Modify only their bodies, so that they return the “right” values, according to their description (in comment after their headers) and the test given in `Program.cs`. You can change their order, or write them in any order: some of them are actually easier to write, and they are not the first ones: can you find a method that seems easy enough to start your project?

If you have the time and interest, have a look at the challenges offered at the end of the `ArrayLib.cs` file.

1.3 Turning In Your Work

Start by replacing `YOUR-NAME-HERE` and `DATE-HERE` with your actual name, and the date. Submit on **D2L** your `ArrayLib.cs` file (and only the `ArrayLib.cs` file, not the whole project) renamed as “lname_fname.cs”, where “lname” (resp. “fname”) is your last name (resp. first name) before Friday, November 22, 11:30 PM, in the “Project03” assignment submission folders.

Remember that I can check that you submitted your work properly, or give you partial feedback, but that you need first to upload it on D2L, and then to send me an email.

¹[../shared/Project_3.zip](#)