

CSCI 1301 - Lab 24

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Today's lab is devoted to Project #5. Download the following archive: Project5, extract it and open it in Visual Studio.

The project contains two files: `Program.cs` and `ArrayLib.cs`.

- `Program.cs` is just the “application program”, here to test the methods written in `ArrayLib.cs`.
- `ArrayLib.cs` is an (incomplete) “library” of methods to manipulate arrays. It is static, so that we don't need to create objects in `Program.cs`.

Your goal is to complete `ArrayLib.cs`, i.e., to write the body of the methods `FindMax`, `FindMin`, `Average`, etc. You are not supposed to change the headers of these methods, but only to complete their bodies: change them so that they return the expected values instead of always returning 0 (or false) as they do now. Use `Program.cs` to check your answer, and edit it if you want to perform other tests (but, please, don't spend too much time tweaking the displaying).

Your project is due 04/19, before midnight, you can turn it in using any method (but please, be aware that sending projects through emails can be buggy). Do not copy-and-paste code from other source, or re-use methods from a pre-existing class: this lab is about writing your own methods!

If you feel comfortable with your project, there are two additional challenges for you:

- Write some (or all!) of the methods suggested at the end of `ArrayLib.cs`.
- Turn your project using Visual Studio Team Services (<https://www.visualstudio.com/team-services/>). You can find a small tutorial at <https://docs.microsoft.com/en-us/vsts/git/gitquickstart?view=vsts&tabs=visual-studio>, if you want to invite me, my id is <caubert-augusta.visualstudio.com>.