

Assignment 0

PART 1: Introduce Yourself

About You

Write an one page double spaced essay in which you introduce yourself.

Questions you might want to address include the following:

Where are you from? Why did you decide to attend OSU? What are your interests (beyond data structures of course!)? What hobbies do you enjoy? What is your major? What do you intend to do after graduation? What would you like to be doing in five or ten years? Do you have an interest in research? If you need more topics, you might want to address some computer science issue of the day, such as why does computer science have a perception problem (ie. many young students don't look to CS as a major that they want to pursue...why do you think that is the case?). What would make our intro classes more interesting...more engaging?

Or, you can use your own approach to introducing yourself.

Programming Experience

In a separate section of your report I want you to tell me what your previous programming experience has been. What languages you know, how many years of experience you have with each, what programming-related classes you have taken, and for each language you list the platforms you have developed on and the build environment you have used ((command line, MS visual studio, Code::Blocks etc)?

PART 2

Environment Setup

Get a C programming environment up and running on your machine (both locally and via flip / flop)!. Using an IDE (https://en.wikipedia.org/wiki/Integrated_development_environment) is **mandatory** in this course. You can use *any* suitable programming environment with a debugger (Ex. , Eclipse, Code::Blocks, Netbeans, Xcode, Visual Studio etc.). I have uploaded help slides reviewing development environments as well as compiling/executing on OSU engineering server . All assignments will be compiled and executed on flop.engr.oregonstate.edu (follow the instructions provided in the gcc tutorial. Please use this server to compile and test your code before submission).

Please take help from the Instructor and the TAs to get your IDE installed properly and compile/execute C program by this week. Remember- the sooner the better.

Write your first C program for this course:

Write a C program to find the area of a triangle with all its three sides given as a,b and c. Use Heron's formula to calculate the area of the triangle (https://en.wikipedia.org/wiki/Heron%27s_formula). The sides a,b and c can be hard-coded, inputted into main, or provided via a prompt. You must compile and run the program both using your IDE and on flip.engr.oregonstate.edu. Capture the screenshots.

Turn In:

- An electronic copy of your introduction must be turned in via both Canvas and TEACH. Copy and paste the introduction about yourself to Piazza too. You are encouraged to add your photograph so that your peers can know you by your face and become your good friends.
- Three screenshots(saved as .pdf or any image file format) :
 - o Screenshot of the output of your C program using an IDE
 - o Screenshot of the output of your C program on the OSU engineering server
 - o Screenshot of the source code

Note: Submission of actual source code file (in *.c format) is not required. Both the introduction and screenshots for the C program can be on the same .pdf that is submitted to both Canvas and TEACH.

Also, you must follow the following turn in instructions -

- You must submit each assignment to both Canvas and TEACH (Otherwise, 15% of your grade will be deducted)
- You must not submit the assignments in zipped format in TEACH (Otherwise, 15% of your grade will be deducted).

Rubrics:

- 1) Your Introduction – 5
- 2) Setting up the IDE and source code writing & compilation of C program - 15