

Notes on Homework #6 You Just Submitted (C Programming for Beginners)

You are now ready to start designing your midterm project, which is a longer programming assignment. Make sure to read the requirement documents thoroughly first, then make a design flow (you can write a flow diagram or write a pseudo code) and then finally write the code. If you do this way, then your code will be solid, and you will not run into multiple bugs in your code.

Homework #5, and #6 should help you in designing your midterm. Don't forget to go over the homework model solutions, especially if you struggled while writing these assignments

Please make sure to follow these instructions in your midterm project, otherwise you may lose more points.

Reminding you my guidelines one more time:

What are descriptive comments?

It is really, documentation about your application. Write comments before main, and functions: Start with description of application/functions then name of file/function, purpose, name of programmer, date created, date modified. For main program also describe command-line arguments, for function also describe arguments, return values, exception etc.

Here are guidelines:

- 1) https://www.cs.swarthmore.edu/~newhall/unixhelp/c_codestyle.html
- 2) [https://en.wikipedia.org/wiki/Comment_\(computer_programming\)](https://en.wikipedia.org/wiki/Comment_(computer_programming))
- 3) These Java style code can be used for C as well:
http://www2.hawaii.edu/~tp_200/ics111/material/codingStandards.html
- 4) Google Java Style Guide:
<https://google.github.io/styleguide/javaguide.html>

What are good names:

- 1) Good file name: Should reflect purpose of whole program (application). Better to write one problem's solution in one file and give suitable names like; `userinputs.c`, `inputintandfloats.c`, `printtempstatistics.c` etc, Do not use `hw6.c`, `assignment_6.c` etc. Mark that file names are all lower case.
- 2) Good function names: If you write solution for each problem in one function then make sure name of function reflects what they do. `getUserChoice()`, `doSorting()`, `getTwoFloats()`, `printTempStat()` etc. Mark the first letter lower case, also mark that the first word is a verb. And each subsequent word starts with uppercase. If the function does not return a value, do not start name with a 'get..'