CS1 - Conditional - Menu - Lab 100 Points Possible

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**Conditional Statements and More User Defined Functions Lab**

Write a C++ menu driven program that finds various statistical values of any two given numbers. The program must use functions to do the operations. The lab also demonstrates switch and conditional statements, loops, macros etc.

**Lab Instructions:**

1. Open your repo folder (CS1-…) in Visual Studio Code.
2. Create a folder called **menu** inside **labs** folder.
   1. Inside the functions folder, create two new files: **main.cpp** and **Makefile**.
3. Add new files to git repo; commit and push.
4. Do **add; commit and push** as often as possible after every major improvement or addition to your program so you are familiar with the commands and you’ve a working backup!
5. Type the starter code stub in main.cpp file in **CPP-Fundamentals->labs->conditionals->menu** lab folder as a hint to complete the lab.
6. Type, fix and use Makefile in the lab folder to compile, build, and test the program.
7. Never copy paste code; you’ll not learn anything using shortcuts!
8. Type some lines of code, compile and test. Use the **incremental development** technique to learn what the new code does; continue the process until you complete your lab.
9. Fix all the FIXMEs and write #fixed# at the end of each code FIXME that’s fixed except at the end of your name and date.
10. Run and test your programs many times.
11. Create a screenshot and add it to the repository showing the complete run of your program. (**10 points**)
12. When done, update your README file **(10 points)** as shown here: <https://github.com/rambasnet/csci000-astudent>
13. All FIXMEs are worth equal points unless stated otherwise.

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**Submission:**

1. Add all the relevant source file(s) and documents into the correct folder and do a final add, commit, and push before the due date.
   1. $ git pull
   2. $ git status
   3. $ git add <filename>… - add each file that was new or modified that is part of this assignment
   4. $ git commit -m “Final Submission”
   5. $ git push
   6. $ git status
2. Check and make sure the files are pushed to your GitHub repo.
3. NOTE: Do not add and commit to this lab folder after the due date as it may be considered late submission!