CS1 - Std IO Lab **Possible points: 100**

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ASCII Art - Standard Input/Output Lab

Write a C++ program that displays some ASCII Art on to the console or standard output.

Lab Instructions

1. Setup GitHub account if not done already; follow instructions under HW0 in D2L.
2. Open your repo folder (CS1-…) in Visual Studio Code
3. Create a folder called ascii inside labs folder
    a. Inside ascii folder, create a new cpp file called ASCIIArt.cpp
4. Add main.cpp file to git repo then commit and push it
5. Do **git 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
6. Type the code stub in main.cpp file as a hint to complete the lab: https://github.com/rambasnet/CPPFundamentals-Notebooks/tree/master/labs/stdio
7. Use the Makefile to compile and build program: https://github.com/rambasnet/CPPFundamentals-Notebooks/tree/master/labs/stdio
8. Never copy paste code; you'll not learn anything by doing so!
9. Type each line of code and use **incremental development** techniques to learn what the given code does and what happens when you add each line(s) of new code to complete your lab
10. 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
11. The completed lab should produce the following ASCII Art

```
     |\_/|         ******************************        (\_/)
    / @  @ \       *          ASCII Lab         *        (='.'=)
   ( >  0  < )     *      By: <Your name>       *       (")_(")
     >>x<<         *          CSCI 111          *
     /  O  \       ******************************
```

12. Create a screenshot of the completed program being tested with the final output being displayed on the console and put it inside the same ascii folder. **(10 points)**
13. When done, update your README file **(10 points)** as shown here: https://github.com/rambasnet/csci000-astudent
14. 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.
    a. $ git status
    b. $ git add <filename>… - add each file that was new or modified that is part of this assignment
    c. $ git commit -m “Final Submission”
    d. $ git push
    e. $ 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!