

CSCI-101 Programming 1

Week of Sep 5 - Lab 3, Part c

INSTRUCTIONS

In your **labs** directory create a **class** named **StateTax** that contains a program that behaves as follows:

- The program asks the user to enter in their yearly income rounded to a whole number.
- The program reads in the value entered by the user.
- The program asks the user to enter in the number of children that they have.
- The Program reads in the value entered by the user.
- The program computes the total amount of state tax debit/credit using the information below.
- The program prints the screen "Total tax: ", followed by the total tax. A positive tax implies a tax debit that they owe to the state. A negative tax implies a tax credit that they will receive from the state.

TAX INFORMATION

- The taxpayer receives a pre-tax deduction of \$1000 for each child that they have. A pre-tax deduction reduces the amount of income that is taxed. For example, if a taxpayer makes \$100,000 and has 3 children, then their taxable income is $100,000 - (3 * 1000)$ which equals \$97,000.
- The state tax rate is 10%.

After you've written the program, compile the program and test it until you are confident that it is correct. If it is not correct, try to debug the code, resave, recompile, and retest.

Once you are confident that the program works properly, use git commands to update your GitHub repository. Confirm your files on GitHub by inspecting the repository on [GitHub.com](https://github.com).