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CS 31 Homework #1 Write Up

The obstacles I overcame this assignment death with getting used to C++ since I have only coded in Java before. Setting up the coding preface and finding the right compiler were a little tricky and while the two languages share many of the same concepts, there are nuances in syntax and commands that take a little getting used to as with any new language, programming or not. Specifically, the biggest obstacle to overcome this assignment was determining how to round correctly. After searching the internet, I finally found the setprecision() function; however, this outputted a number in standard form. Eventually, I learned from a TA to add “fixed” which solved all my problems.

Some data that could be used to test the program would be:

Name: ID: Hours: Pay: Tax:

1. “” 92832 23.5 9.25 Y

2. John Doe 923 33.5 92.5 N

3. Jane Doe “” 43.5 9.25 Y

4. John Doe 92322 -53.5 92.5 N

5. Jane Doe 92352 63.5 3.14 Y

6. Muhammed K 92352 93.5 925.00 No

1. The program would error due to an empty string.
2. The program would terminate due to the ID not being 5 digits.
3. The program would end because the ID is an empty string.
4. The program would abort because the hours worked is negative.
5. The program would discontinue because the pay is below $9.00.
6. The program would conclude because the input for the federal tax is not Y or N.