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Discussion 1G

Lecture 1

Programming Assignment 2 Report

1. The first obstacle I encountered was first correctly and completely understanding how the fine is calculated with respect to various paid amounts and whether or not fake athletic credentials were involved. There are many different combinations of cases possible which, and I needed to ensure that I could correctly calculate each of those combinations without using the programmed calculator. In addition, another obstacle was figuring out why the program insisted on printing “You must enter y or n.” when I clearly was inputting “y” or “n” in the terminal. I wrote the logic out on paper and corrected my logic error that before would always return True for a Boolean value.
2. Check that the output line explains only the first input mistake (“”, -3, “O”)

Check that the output line explains the negative amount error (“Bob Wheels, -82.1, “y”)

Check that the output line explains the incorrect y/n input (“Bob Wheels”, 42, “O”)

Check whether the program will produce correct output with an input under 40 (thousand) with faked athletic credentials (“Joe Wheeler”, 18, “y”)

Check whether the program will produce correct output with an input under 40 (thousand) without faked athletic credentials (“Joe Wheeler”, 18, “n”)

Check whether the program will produce correct output at the first threshold (“Joe Wheeler”, 40, “y”)

Check whether the program correctly adds additional fine when input is between 40 and 250 (thousand) with faked athletic credentials ( “Joe Wheeler”, 197.29, “y”)

Check whether the program correctly adds additional fine when input is between 40 and 250 (thousand) without faked athletic credentials ( “Joe Wheeler”, 152.8, “n”)

Check whether the program will produce correct output at the second threshold (“Joe Wheeler”, 250, “y”)

Check whether the program correctly adds the final additional fine when input is above 250 (thousand) with faked athletic credentials (“Joe Wheeler”, 342.8, “y”)

Check whether the program correctly adds the final additional fine when input is above 250 (thousand) without faked athletic credentials (“Joe Wheeler”, 389, “n”)