Robert Myers

CMPSC121

Reflection

21 May 2021

Reflection

In this experiment I was able to understand how data types – specifical integer and floating-point data types work in C++. The approach I used to create the program was leveraging the how C++ truncates floating-point values assigned to integer values while not rounding. I realized while writing my program that there were multiple ways to achieve the same results like using a combination of division and the modulo operator. The modulo operator could have been used to replace my *change = change – (5000 \* fifties)* line. Additionally, I could have stored the value to subtract from change in a double variable called “denominationTotal” and used the *change -= denominationTotal*. I did struggle with getting my program to not convert to scientific notation – fortunately, a combination of re-reading the modules and speaking with Professor Yu helped me to resolve itm by using the fixed and setprecision() functions.