In this second project, I did not find that there were any notable obstacles for me to overcome. The most interesting mistake that I made was that I did not realize how the system was executing the rounding when doing math. When I did the calculation for adding the first tier rate to the second tier rate, the first tier rate would be rounded before added, because it was an int type when I originally wrote the program.

Test data that I checked my program through:

Negative Initial Meter Reading – (-1) successful error produced

Less Final than Initial meter Reading – (3 final compared to 5 initial) successful error produced

No customer name – successful error produced

Month less than 12 – (13) successful error produced

Month less than 1 – (0) successful error produced

Months in the high season

* First tier only (initial 3 final 10) – successful bill
* First and second tier (initial 5 final 55) – successful bill

Months in the low season

* First tier only (initial 2 final 12) – successful bill
* First and second tier (initial 1 final 60) – successful bill