Amy Yu

905138432

Project 2 Report

1. One obstacle that I initially encountered was trying to figure out how to organize the if and else statements in order to meet the requirements for calculating the bill. I eventually discovered that using compound statements would provide a solution to this problem. Additionally, I also had some issues testing the program on g31. I would continuously get warnings about DNS spoofing, but I was able to solve this by adding cs31.seas.ucla.edu to my list of known hosts.
2. List of test data:

Negative initial meter reading to output error message (-5)

Final meter reading is less than initial meter reading to output error message (5, 2)

Empty string for character name to output error message (5, 2, “”)

Month not in range of 1 to 12 to output error message (5, 2, Jake, 13)

Initial meter reading equals final meter reading (5, 5, Jake, 6)

Reasonable inputs in high usage season to check for accurate results (1000, 2000, Jake, 6)

Reasonable inputs in low usage season to check for accurate results (1000, 2000, Jake, 12)

Inputs such that the HCF in high usage season is less than 43 (1000, 1020, Jake, 6)

Inputs such that the HCF in high usage season is greater than 43 (1000, 1050, Jake, 6)

Inputs such that the HCF in high usage season is 43 (1000, 1043, Jake, 6)

Inputs such that the HCF in low usage season is less than 29 (1000, 1020, Jake, 12)

Inputs such that the HCF in low usage season is greater than 429(1000, 1050, Jake, 12)

Inputs such that the HCF in low usage season is 29 (1000, 1029, Jake, 12)