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CS 31

Section 2F

The main obstacle I had to overcome while implementing Project 2 was the logic behind my program. I had a bug in my code wherein my program was outputting the wrong rental charge when the number of miles travelled (odometerEnd – odometerStart) was between 100 and 400. I ran the debugger and figured out that the reason my program was buggy was because I was relying on a block of code within an earlier section of an if else block to initialize a variable. However, for values between 100 and 400, the relevant if else statement wasn’t being activated.

Below is a list of input data that I used to test my program:

Negative starting odometer reading:

**Odometer at start:** -1

Ending odometer reading < starting reading:

**Odometer at start:** 13

**Odometer at end:** 11

Non-positive number of rental days:

**Rental days:** 0

Empty string customer name:

**Customer name:** “”

Luxury status not y or n:

**Luxury car? (y/n):** j

Month number not in the range 1-12:

**Month (1=Jan, 2=Feb, etc.):** 13