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Report

a. Obstacles

⁃ Making sure every character in output text was correct

⁃ Reading the spec carefully to ensure I did not miss any detail

b. Test Data

⁃ Producing error messages:

⁃ Negative integer for odometer at start (-1) to test first error message

⁃ Smaller integer for odometer at end than odometer at start (1, 0) to test second error message

⁃ Nonnegative integer for number of rental days (0) to test error message

⁃ Empty string for customer name (“”) to test error message

⁃ Any string other than “y” or “n” for the luxury car question (“no”) to test error message

⁃ An integer less than 1 or greater than 12 for month (“42”) to test error message

⁃ Other:

⁃ Strings with more than 1 word (“I love David”) to test functionality of getline

⁃ Correct test cases that test the whole program but vary in the number of miles

⁃ Number of miles should test all 3 ranges: 0 to 100, 100 to 400, 400+ (ex: 50, 150, 500)

⁃ Testing both “y” and “n” to see if cost changes

⁃ Testing both ranges (December to March and April to November) with a mileage higher than 100 to see if cost changes