Report

1. The obstacles I overcame:

I attempted to use arrays (winter[] = {12,1,2,3}) to test whether or not the int month is within winter, but I failed to find a method to achieve this goal without using a complex method of loop. Instead, I use logic statement (month <=3 || month ==12), by which solved the problem.

1. Test Data

Success data:

Distance less than 100 with luxury car (123, 145, 10, Vincent, y, 10)

Distance between 100 and 400 with luxury car in winter (520, 750, 21, X, y, 12)

Distance between 100 and 400 with non-luxury car in other session (520, 750, 21, X, n, 6)

Distance larger than 400 with luxury car in winter(155, 1054, 43, X, n, 6)

Problematic data:

Data giving a non-integer input in an int variable (520, 750.55, 21, X, y, 8)

Data giving exceedingly large integer input of rental distance and days(520, 100000, 9999999, X, y, 10)

Data giving a negative input of distance(123, 52, 5, Vincent y, 10)