C++ Programming Refresher: Parking Garage

This first assignment consists of a small program that will help refresh your memory of C programming and get your mind back into thinking logically and critically.   You should find this program easy. Please be sure to <u>validate your data</u>; use proper form and structure of a program; and provide professional looking output. Once finished, upload your source code to the appropriate assignments in Moodle. Remember! Do not turn in your program if it does not compile! Your programs must work correctly and follow all instructions for you to receive full credit. Ask if you need help ;)

Write an application that calculates the parking fee for a car for one day. The parking garage charges a $2.50 minimum fee for up to three hours. The garage charges an additional $1.00 per hour for each hour or partial hour in excess of three hours. The maximum charge is $20.00 for a 24 hour period. Assume that no car parks for longer than 24 hours at a time; validate your code as such. Your application should ask for a total time parked in a decimal format (eg. 2.75 hours) and then state the total parking charge for the day. Your code should run and produce an error message even if I type in a letter instead of a number! Continue to calculate as long as the user wishes to.