#include <stdio.h>

int main() {

float fuelAverage, distancePerTrip = 1207.0;

float fuelPriceForward = 118.0, fuelPriceReturn = 123.0;

float totalFuelConsumed, totalFuelCost;

int validInput = 0;

printf("Enter the car's fuel average (km per liter): ");

scanf("%f", &fuelAverage);

if (fuelAverage <= 0) {

printf("Invalid input! Fuel average must be a positive number.\n");

return 1; // Exit with an error code

}

totalFuelConsumed = (2 \* distancePerTrip) / fuelAverage;

float costForward = (distancePerTrip / fuelAverage) \* fuelPriceForward;

float costReturn = (distancePerTrip / fuelAverage) \* fuelPriceReturn;

totalFuelCost = costForward + costReturn;

printf("Total fuel consumed for the round trip: %.2f liters\n", totalFuelConsumed);

printf("Total fuel cost for the round trip: $%.2f\n", totalFuelCost);

return 0;

}