```
//Carl Argila
                          CSC5
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*
 *
  COMPUTE DISTANCE PER TANK OF GAS
 *
 * This program computes the distance a car can travel on one
 * tank of gas based on gas tank capacity and average
 *
  miles-per-gallon (MPG) rating for city and highway driving.
 *
 *
  Computation is based on the formula:
 *
   Distance = Number of Gallons x Average Miles per Gallon
 *
 *
   INPUT
                    : Gas tank capacity in gallons
: Average MPG for city driving
: Average MPG for highway driving
 *
     tankCapacity
 *
     mpgCity
 *
    mpgHighway
 *
 * OUTPUT
 *
     distance
                    : Distance car can travel
 *
 #include <iostream>
#include <iomanip>
using namespace std;
int main ()
{
                            //INPUT - Gas tank capacity in gallons
    float tankCapacity;
                            //INPUT - Average MPG for city driving
//INPUT - Average MPG for highway_driving
    float mpgCity;
    float mpgHighway;
    float distance;
                            //OUTPUT - Distance car can travel
    Initialize Program Variables
    tankCapacity = 20.0;
   mpgCity = 21.5;
   mpgHighway = 26.8;
    Compute Distance Traveled City
    distance = tankCapacity * mpgCity;
   Output Result
    cout << "The car can travel " << distance << " miles in town." << endl;
    Compute Distance Traveled Highway
    distance = tankCapacity * mpgHighway;
   Output Result
cout << "The car can travel " << distance << " miles highway." << endl;
    return 0;
}
```