#include <algorithm>

#include<iostream>

#include<iomanip>

using namespace std;

const int maxcars=2;

struct CarRec

{

int num;

int miles;

int gallons;

};

void fill(CarRec \* );

void show(CarRec \*);

int main()

{

CarRec cars[maxcars];

CarRec \*ptr;

ptr=cars;

//request data from user

fill(ptr);

//SHOWS DATA

show(ptr);

return 0;

}

void fill(CarRec \*cars )

{

for(int i=0;i<maxcars;i++)

{

cout<<"Enter the car number: ";

cin>>cars[i].num;

cout<<"Enter the mileage: ";

cin>>cars[i].miles;

cout<<"Enter the gallons: ";

cin>> cars[i].gallons;

}

};

void show(CarRec \*cars)

{

double mpg,average=0;

for(int i=0;i<maxcars;i++)

{

mpg=cars[i].miles\*cars[i].gallons;

average+=mpg;

cout<<"Car Number:"<<cars[i].num;

cout<<setw(10)<<"MPG:"<<mpg<<endl;

}

average/=maxcars;

cout<<"Average MPG: "<<average<<endl;

}