```
#include <iomanip> //for floats
#include <iostream>
#include <string>
using namespace std;
// Author: Brianna Sobriano, Kenry Yu
// Demo time: 5:20 PM
// Date: March 3, 2022
//
struct Car {
string make;
string model;
int manufacture_year;
string color;
int curr_mileage;
float mpg;
 int sale_price;
// default constructor, gave values because if not the compiler would try to
// give it values
 Car() {
  make = "Bogus";
  model = "REEEEEE";
  manufacture_year = 2022;
  color = "Invisible";
  curr_mileage = 0;
  mpg = 0;
  sale_price = 0;
```

```
}
 // Overload contructor, assign parameter to each member
 Car(string ma, string mo, int year, string co, int mile, float _mpg,
   int price) {
  make = ma;
  model = mo;
  manufacture_year = year;
  color = co;
  curr_mileage = mile;
  mpg = _mpg;
  sale_price = price;
 }
 // display fucntion that display all the information
 void display() {
  cout << make << " " << model << "\nColor: " << color
     << "\nManufacture year: " << manufacture_year
     << "\nCurrent mileage: " << curr_mileage
     << "\nMile per gallon: " << fixed << setprecision(1) << mpg
     << "\nSale price: $" << sale_price << endl;
 }
};
Car carLot[5] = {{"Honda", "Accord", 2021, "White", 20349, 30, 20300},
         {"Mercedies", "AMG", 2022, "Navy", 9432, 20, 60000},
         {"Toyota", "Camery", 2018, "Black", 45678, 28, 18500},
         {"Dodge", "Challenge", 2016, "Green", 40309, 18, 16000},
         {"Jeep", "Cheeroke", 2022, "Red", 4, 19, 40720}};
```

```
void displayCars(Car carLot[5]) {
  for (int i = 0; i < 5; i++) {
    carLot[i].display();
    cout << endl;
  }
}
int main() {
  displayCars(carLot);
  return 0;</pre>
```

make -s./mainHonda AccordColor: White

Manufacture year: 2021 Current mileage: 20349 Mile per gallon: 30.0 Sale price: \$20300

Mercedies AMG Color: Navy

Manufacture year: 2022 Current mileage: 9432 Mile per gallon: 20.0 Sale price: \$60000

Toyota Camery Color: Black

Manufacture year: 2018 Current mileage: 45678 Mile per gallon: 28.0 Sale price: \$18500

Dodge Challenge Color: Green

Manufacture year: 2016 Current mileage: 40309 Mile per gallon: 18.0 Sale price: \$16000

Jeep Cheeroke Color: Red

Manufacture year: 2022 Current mileage: 4 Mile per gallon: 19.0 Sale price: \$40720

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