1. PROBLEM:

Imagine you are running a car dealership and need to manage information about various cars in your inventory. You use the Car class to define the attributes of each car, such as its brand, model, and year of manufacture. By creating objects of the Car class, you can store and display information about different cars. Your tasks include the following:

- Assign Values After Declaring an Object:
  - Assign values to each member variable for an object after declaring the object.
  - Display the values of the member variables of that object.
- Use a Public Function to Set Values:
  - Assign values to each member variable of an object using a setValue public function.
  - Display the values of the member variables.
- Initialize Member Variables During Declaration:
  - Initialize the member variables of the Car class directly during object declaration.
- Add a Public Function to Update the Year:
  - Add a public function updateYear() to update the object's year.