

**1. Create an Abstract "Automobile" class that contains:**

- four private data members:
  - make
  - model
  - mileage
  - price(I leave it to you to decide the type)
- "setters" and "getters" for each of the data (8 functions in total)
- a print functions that is pure virtual.
- a sameMake function. This function will have one Automobile argument and a Boolean return type

**2. Create a class "car" that inherits from the class Automobile:**

- This class define the method print() that display that the automobile is a car, shows the make, model, mileage and the price.
- The class has one default constructor (no arguments)
- one constructor with arguments make, model, mileage and the price.

**3. Create a class "truck" that inherits from the class Automobile:**

- This class define the method print() that display that the automobile is a truck, shows make, model, mileage and the price.
- The class has one default constructor (no arguments)
- one constructor with arguments: make, model, mileage and the price.

**4. The main**

Use the main method to test your classes and methods, creating instances from all the classes (except the abstract you will have to use a pointer). It is up to you to decide a good demonstration of all the functions defined.