### Homework Project #7

Design a class called Automobile, which has the following members:

* A field for the make (a string)
* A field for the model (a string also)
* A constructor which will initialize these fields
* Accessor methods to retrieve the make and the model
* A toString() method which will display the automobile's make and model. (The formatting is completely up to you.)

Design a class called Truck which inherits from class Automobile, which has the following members:

* A field for the truck's maximum carrying capacity, in pounds (int or double, it's up to you)
* A constructor which initializes this field and the fields of its superclass (Automobile, via the super keyword, if necessary)
* A toString() method which overrides the toString() method of its superclass (Automobile). This version should display make, model, and the maximum carrying capacity

Design a class called Minivan which inherits from class Automobile, which has the following members:

* A field for the maximum number of passengers the van can carry (int)
* A constructor which initializes this field and the fields of its superclass (Automobile, via the super keyword, if necessary)
* A toString() method which overrides the toString() method of its superclass (Automobile). This version should display make, model, and the maximum number of passengers

Finally, demonstrate these classes in a test program that has an array which contains objects of class Automobile. Create at least one object of each class (Automobile, Truck, Minivan); store them in the array; then loop through the array, calling the toString() method on each element. See my class notes, as well as code listing **9-25** in the Gaddis book for examples.