Project Organization

-(package) indi.yuanyuam.proj1.driver : run the project

+ (class) Run : put all the requirements together in driver class.

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-(package) indi.yuanyuam.proj1.model : Hold the properties of the car

+ (class) Automobile: hold the car configuration

The methods in this class includes: setters and getters for name, make , model and base price, and print method to print the whole set.

+ (class) OptionSet: option set of car configuration

The class that can hold name of the model, base price and information about all the properties. The methods in this class includes: setters and getters for name and price, update method for name and price, and print method to print the whole set.

In addition, there is the inner class called Option.

+ (inner class) Option: options for each option set

The methods in this class includes: setters and getters for name, make , model and base price, and print method to print the whole set.

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-(package) indi.yuanyuam.proj1.test: all the test classes

+ (class) TestAutomobileOption: test the methods defined in Automobile class which are relative to option operation.

+ (class) TestAutomobileOptionSet: test the methods defined in Automobile class which are relative to option set operation.

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- (package) indi.yuanyuam.proj1.util: package for Until

+ (class) Util: built the Automobile object, serialize and deserialize the object

The methods in this class includes the method readFile to built the Automobile object. Method serializeAuto is used for serializing Automobile object while method derializeAuto is used for deserializing Automobile object.

Ps. All the methods in class “OptionSet” and “Option” are protected and variables in class “Automobile”, OptionSet” and “Option” are private. Other class can not access the optionset and option directly ( must access them by Automobile class).