Homework 13

In the HW13Assigned directory you will find a directory HW13 that contains a directory smidkiff that in turn contains code for this homework.

There are three parts to this homework.

First, rename the directory *smidkiff* to be your login name. I'll just refer to this directory as *login* for the rest of this assignment.

First, the code is in various directories and we need to make the different .java files be part of packages. When finished, we want to be able to be in the HW13 directory and type *javac login/Main.java* and compile the program, and *java login.Main* to run the program.

Let *working* be the directory we are compiling from. Then a .java file in *working/d1/d2* needs to be in package *d1.d2*, where *d1.d2* is the package name. Put a *package <packagename>;* line at the top of each .java file with the appropriate package name.

If a file needs to use a class that is in another package, there should be a line *import <package name>;* between any *package <package name>;* statement, and before the start of the class (e.g., *public class foo {}*). Add these lines to each .java file.

Second, everything is declared with package visibility. Change the visibility of attribute fields, classes and functions to the least visible level (i.e., private, followed by protect, package and public) that allows the program to compile.

Third, Make any other changes needed (depending on what you've done, no changes may be necessary) for your program should run and produce output that looks like what is below. You do not need to change Main.java *except to change smidkiff to your directory name and to add import statements.*

HondaFit built

Ford F350 built

HondaFit built

Ford F350 built

HondaFit: color: white, engine: 1.5L i-DSI 4 Cylinder, transmission: manual, setBelts: 5, warranty: 3/36,000 + 5/60,000 Powertrain

Ford F350: color: green, engine: 7.3L V8, transmission: 10 speed automatic, setBelts: 3, warranty: 3/36,000 + 5/60,000 Powertrain

HondaFit: color: red, engine: 1.5L i-DSI 4 Cylinder, transmission: manual, setBelts: 5, warranty: 3/36,000 + 5/60,000 Powertrain

Ford F350: color: yellow, engine: 7.3L V8, transmission: 10 speed automatic, setBelts: 3, warranty: 3/36,000 + 5/60,000 Powertrain

HondaFit: color: white, engine: 1.5L i-DSI 4 Cylinder, transmission: manual, setBelts: 5, warranty: 3/36,000 + 5/60,000 Powertrain

HondaFit: color: red, engine: 1.5L i-DSI 4 Cylinder, transmission: manual, setBelts: 5, warranty: 3/36,000 + 5/60,000 Powertrain

What to turn in:

There is a directory HW13 and inside of that is a directory *login*. Put Main.java in a directory *login*, where *login* is your userid. *login* will also contain a *sift* and *vehicle* directories, which contain their respective files. If you are in directory HW13, javac smidkiff/Main.java should compile, and java smidkiff.Main should execute your program.