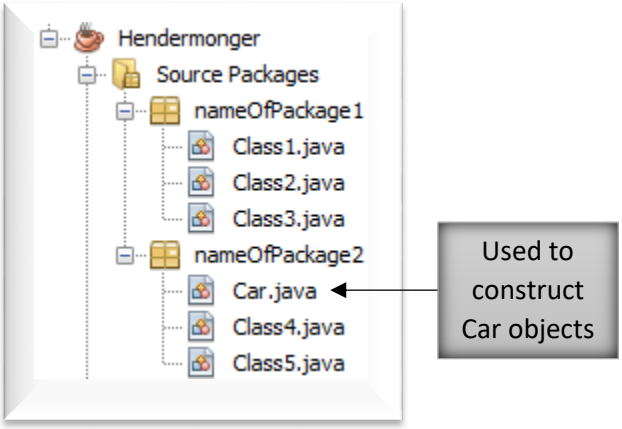
Packages and Import Statements

Package: A folder that contains a class or multiple classes that work together (or are associated together).



NOTE: With the organizational structure shown to the left, only Class4 and Class5 can currently access and build Car objects.

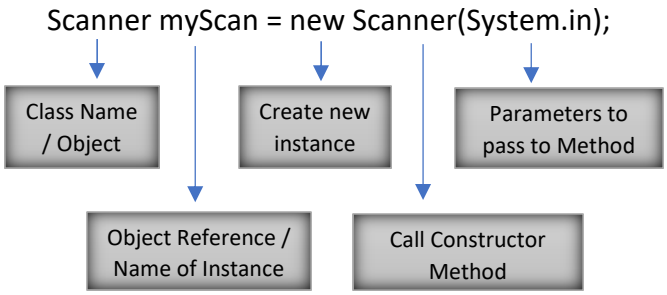
Imports: The classes in the nameOfPackage1 can build cars ONLY IF they import the Car class. This can be done using one of the following strategies:

#1: import nameOfPackage2.*;
Note: this will also import Class4 and Class5.

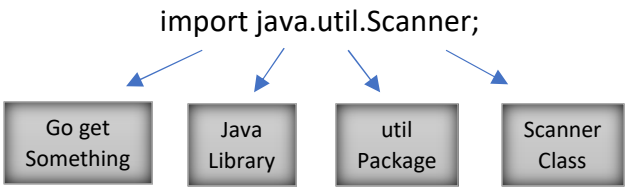
#2: import nameOfPackage2.Car;
Note: this will only import the Car class.

Connecting this knowledge to using a Scanner …

1. The programmer needs to find the class that constructs and allows Scanners to be used. A Scanner is created with the following line of code; however, the Scanner class isn't currently in the package the programmer is working in! Here's the creation of a Scanner object …



2. There is an import needed in order for the above Scanner instantiation to occur, it looks like …



3. In fact, import statements are always in the following format:

```
import    bigPackage . smallSubPackage . className;
```