Lesson page 11-1. Packages

Activity 11-1-1 The package and import statements

   Question 1. A package is a collection of Java source files (and other packages) that have been grouped together and placed in the same directory.

   Question 2. Package statements have this form: package d1.d2. ... dn; where d1/d2/.../dn is the directory that contains the files in the package.

   Question 3. package myPack;

   Question 4. Either (1) use new p1.C(...) or (2) place the import statement import p1.C; before the class in file D.java and use new C(...).

   Question 5. import myPack.*;

Activity 11-1-2 Package names

   Question 6. False.

   Question 7. Classes String, Math and Integer are in package java.lang.

Activity 11-1-3 The class path

   Question 8. CLASSPATH is a variable in a windows, unix, or macintosh operating system that is used to describe where the .class files are for a program that is to be executed. It contains a sequence of paths to folders, each one indicating one place to look for the .class files.

   Question 9. Six basic packages that come with Java are (there are others):

       1. java.lang: basic classes like the wrapper classes and String.
       2. java.applet: class Applet and associate classes.
       3. java.awt: The older classes for constructing and manipulating GUIs.
       4. javax.swing: The newer classes for constructing and manipulating GUIs.
       5. java.io: Classes for performing input/output.
       6. java.util: Some useful classes for dealing with dates and lists.