Homework 0

cs1007 - Object-oriented programming and design in Java
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Objective:
1. Getting started with Java on your system
2. Practice with some basic Java coding/compiling/debugging

Downloading Java

If you plan on working on your own machine, you will need to get a copy of the developer's kit. See http://java.sun.com/j2se/1.5.0/download.jsp
You need to download the JDK.
For Java Documentation, you should be familiar, but just in case please see:
http://java.sun.com/j2se/1.5.0/docs/api/index.html
You will find it useful to download it locally if you will not have a steady online connection.

Finding the Compiler

Java's compiler is called javac (or javac.exe [windows]) first make sure it is in your path:

Unix:
1. Log in to your account, to get a command shell
2. type   >javac –help
    a. if you see help, you are done
    b. if it says: javac command not found
        proceed to "adding java to your path"
Windows:
1. start a command shell by:
    a. start button
    b. run
    c. cmd
2. type >javac -?
    a. If you see some help you are done
    b. If you get an error
        proceed to "adding java to your path"

Adding Java to the Path

Unix:

1. to see the path
   >echo $PATH
2. to locate where javac is installed type:
   >locate javac
   it should be obvious from the path names which one you want, you need to find
   /something/something/jdk1.5.something/something/bin/
3. add it to your path (if you don't know how, ask around, or attend the Unix Classes
   Hint: edit your path in you .profile

Checking Java Version

Go to a shell
>java –version
Hint: if you get an error, the path information was not set correctly.

Getting Help

For general Unix help you can type
>man *command*
Or
>info *command*
try to figure out what these command are:

mkdir, pwd, who, whoami, uname, tar, quota, cd, ls

Some Actual Homework

Ok, Lets get started:
1. Download the sample code (homework_0_code.tar.gz) from the class website.
2. unpack it (unix: tar xzf homework_0_code.tar.gz)
3. see the README file in the main directory

Good Luck!