Take Home Test 3

This should be easy. We'll do a remote proxy using RMI. Look at the slides in Proxy.pdf starting at slide 11.

I have supplied most of the code – you need to add a *sayGoodBye* function to the remote code and update the client to call *sayGoodBye*. *sayGoodBye* should print *Server says good bye!* .

Also add a *void shutdown( )* method to the interface and implementation, where *void shutdown* calls System.exit(0).

The client code should call *sayHello*, *sayGoodBye*, *shutdown*, and *sayHello* again. You will get an exception thrown on the second *sayHello* because the remote process is shut down.

When you execute *rmiregistry* and *java MyRemoteImpl*, run them in background mode (e.g., *command arguments &*) so that everything can run in a single terminal window.

You'll get deprecation warning when using rmic – that's ok for this test.   You also may not get a Skeleton file produced, that's ok as well.

Turn in your code in a directory and a file called *runtest3* that contains the commands to run your program. Leave out the *java MyRemoteClient* command. You should be able to execute:

        source runtest2
        java MyRemoteClient

and execute your program.

Put your script and your .java files into a folder with your userid as the name and turn it in.