You should implement the server and the client programs that you have done for homework 3 for the library server and the client in Jini. (An example code for Jini is on the course web-page (cs775) under examples.)

You should write the code for the server, and write a reasonable client program demonstrating the use of all the operations of the server interface. Use the same data file that I supplied for homework 3. I would look at the output given by the client for each of these operations.

Implement the client and server in Java using the Jini.

What to submit?

1. Directory with the code
2. Output as a text file
3. Make sure to include a README.txt file with all detailed instructions to run your program.

Instructions to run Jini:

1. Start Jini’s services (http, rmi activation daemon, and the lookup service).
   - Start HTTP server: `java -jar Jini/jini1.0/lib/tools.jar -port 8080` &
   - Start RMI Activation Daemon: `rmid` &
   - Start Lookup Service:
     - `java -jar Jini/jini1.0/lib/reggie.jar`
     - `http://tigger.cs.odu.edu:8080/reggie.jar`
     - `Jini/jini1.0/example/lookup/policy /tmp/reggie_log public` &

2. Compile your Java programs: `javac * .java`
   Make sure that you set the CLASSPATH correctly to include all the jar files in the JINI’s lib directory.

3. Run rmic: (For example: `rmic SummerService`)

4. Start the server: `java -Djava.security.policy=policy.all -Djava.rmi.server.codebase=http://localhost:8080/ SummerService`
   Here, SummerService is the name of the server.

5. Start the client: `java -Djava.security.policy=policy.all -Djava.rmi.server.codebase=http://localhost:8080/ SummerClient`
   Here, SummerClient is the name of the client.