CSCI 53700 – Fall 2017

Assignment Number 3

Due Date: November 30, 2017

This assignment is intended to re-enforce the principles of remote method invocations using the Java-RMI model of distributed-object computing. You have to re-implement the second assignment using Java-RMI. Also, compare the design and performance (as measured by the response time for various scale situations) of these two (i.e., RPC-based and the RMI-based) systems.

The Server and the Clients will be deployed on these following machines:

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in-csci-rrpc01.cs.iupui.edu 10.234.136.55
in-csci-rrpc02.cs.iupui.edu 10.234.136.56
in-csci-rrpc03.cs.iupui.edu 10.234.136.57
in-csci-rrpc04.cs.iupui.edu 10.234.136.58
in-csci-rrpc05.cs.iupui.edu 10.234.136.59
in-csci-rrpc06.cs.iupui.edu 10.234.136.60
```

Please employ good software engineering principles in your design and implementation. Provide adequate documentation of your programs. Create a *makefile* for your program. These files (source files and makefile) should be submitted via the *submitd* command on tesla.cs.iupui.edu in a zipped folder with the following format (LastNameA3.zip) - e.g., RajeA3.zip. Also turn-in a hardcopy of your report, before the beginning of the class on the due date, that briefly discusses the comparison.