

Individual Assignment 4

Implement the **Echo** algorithm in Java.

Run it for at least 25 nodes connected in an “interesting” topology (so don't do something like a ring, or a bus (line), or a star – do something with redundancy, but not where every node is connected to every other node).

Show relevant output to show the progress of the algorithm.

Again you can run multiples nodes on one machine by putting them on different ports.

Use a shell script **or another piece of Java** to launch your nodes (pass the port number as a command line argument, and look at the **Process** and **Runtime** classes in Java).

You should submit your pseudo-code and your Java for each question, and tell me what topology you used.

(for the echo algorithm see the class notes on blackboard or consult the book I mentioned before “Distributed Algorithms: An Intuitive Approach” by Fokkink)