Bully's Algorithm for Leader Election in Distributed Systems

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Step 1:

Upload BullyProcess.java & BullyInterface.java to servers and compile using javac*.java
Step 2:

Start sessions for all servers, run the BullyProcess on all servers using command – java BullyProcess

Details:

BullyProcess represents a process involved in leader election process in a Distributed Systems environment.
A new process checks if there is a process with higher ID, and sends election messages to them. In case no reply is received, it elects itself as the leader and inform all the other processes with lower process IDs. Else, it waits for a co-ordination message from higher process. If none is received, it restarts the election process, else sets its new leader and waits until the leader is not down or fails.