

## **The programming challenge:**

Imagine an application that is deployed in 10 nodes. A node is a separate JVM process, potentially can be running on different physical machine.

Write an application that will be running on 10 nodes. The application need to coordinate among the nodes and make sure that one and only one of them does a `System.out.println("We are started!")`. Note that not all 10 nodes shall start at the same time.

It is possible that some will start couple of seconds/minutes later. Some will not at all. Still we want this message to be printed and only once.

You can use an existing library for the solution. No need to build a distributed system from scratch.(spring cloud will be preferred) Providing an elegant solution to the problem is what we seek.