Important observations:

In the face of failures, the cluster tolerates up to ‘reliabilitLevel’ no. of failures before killing a node (losing its data).

Ideally, the implementation should have an intelligent redundant node to save the keys. However, I have implemented that a cluster does not kill a node on a port until it has exhausted its reliability level.

The bottleneck in my implementation is due to "slower put and get functions". If I had more time, I would implement a distributed key, value sharing protocol such as CHORD, and save time during extracting data

My program should support large number of nodes. But, put and get operations would be slower due to the above-mentioned issue.