개 개 151 시시 사람 그 있다.

- saida da ilu sa -> Paros is the algorithmen that is used to acheive consensus among a set of distributed computers that
- -> One ore more clients proposes a value to paxos and we have majority in the system when a majority of system running Paros systems agrees on one of the proposed value.
- -) A run of the paxos protocol results in the selection of single proposed value.
- -> Paros simply selects a single value from one or more values that are proposed to it and lets evoyone Know what it is.
- -> Paxos is widely used and is legendary in computer runce since it is the first consumer algorithms that has been rigorously been proved to be correct.
- -) Paros provide aboitable consensus. This means that rource processes about the consensus if there is contention While other decide on the value.
- -) Those processes that decide howe to agree on a value. Asorting allows a process to terminate norther than to blocked indefinelly

- A munistions for the algorithms
- -) Concurrent proposal
- -> Validity
- Majority scule
- -) Asynchronous nitwork
- -> Fail stop faults
- -> Unicasts
- -) Announcements

## Raft Algorithman

- -> This was designed to be easy to understand.
- -> Reft states that each mode in a replicale state machine can remain in any of the following 3 states
  - 1) header
  - (i) Cardidate
  - "ni) Follower
- -) Under normal condition, a node can stay in any of the state
- -> Only a deader can interact with the client, any request to the follower mode is reduceted to leader node.
- -2 A condidate can ask votes to become the lader. A followers responds only to candidate or leader.
- -> This algorithm is equivalent to Paxos in fault tolerant and peef.
- To maintain server states, reft algorithmen alindes time into small forms of arbitary leight. Each term is identified by a monotonically increasing number called terms number.