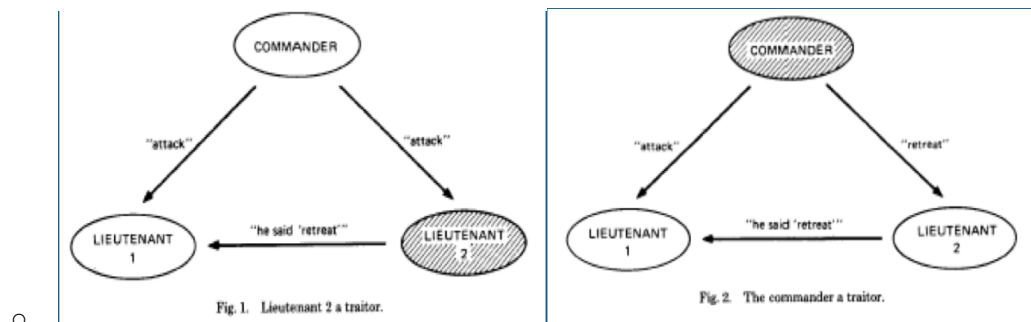# 273 Research Paper

Research paper Presentation

1. **Shivani Parate**
   - Byzantine Generals Problem
   - Byzantine Fault tolerance
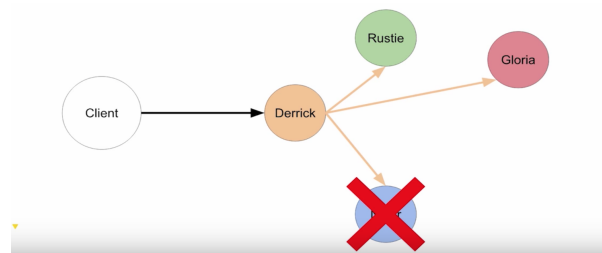   - Introduction to PBFT

2. **Aditya Bhole**
   -

     Fig. 1. Lieutenant 2 a traitor. Fig. 2. The commander a traitor.

   - Explanation of proof : 3f +1 minimum number of replicas to be present in the system
   - Safety and Liveness properties

3. **Rikitha Manjunath**
   - Algorithm description covering state machine replication and views
   - Working of algorithm
   - Details abt Client side

4. **Rajat Dineshchandra Chaurasia**
   - Normal case operation
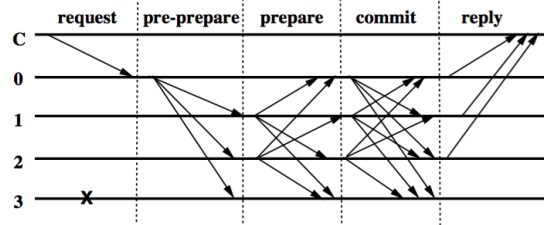   - 3 phase protocol : PrePrepare , Prepare, Commit

Figure 1: Normal Case Operation

5. Shraddha Kabade
  ○ Applications of PBFT
  ○ Demo of the working code
  ○ Github Link : https://github.com/bigpicturelabs/consensusPBFT

Executing the code:
- Start 4 servers (Apple, IBM, MS, Google)
- Command to start the server: ***go run main.go 'Apple'***
- Make post call using : ***curl –H "Content-Type: application/json" -X POST -d '{"clientID":"ssk5","operation":"GetMyName","timestamp":1540694624}'http://localhost:1111/req***

Working screenshot: