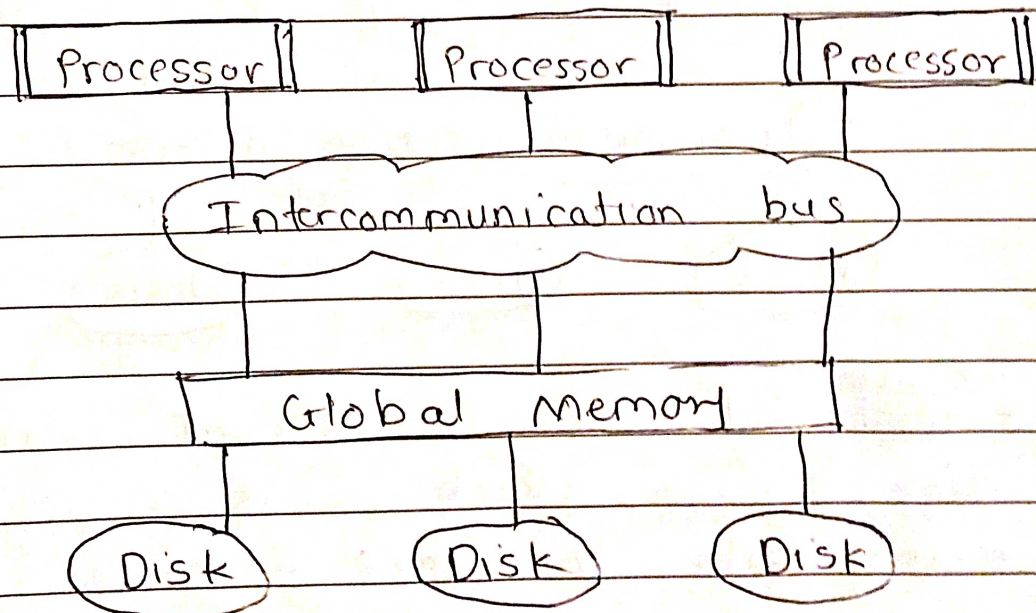


Q 2
→

Explain Shared disk & memory architecture

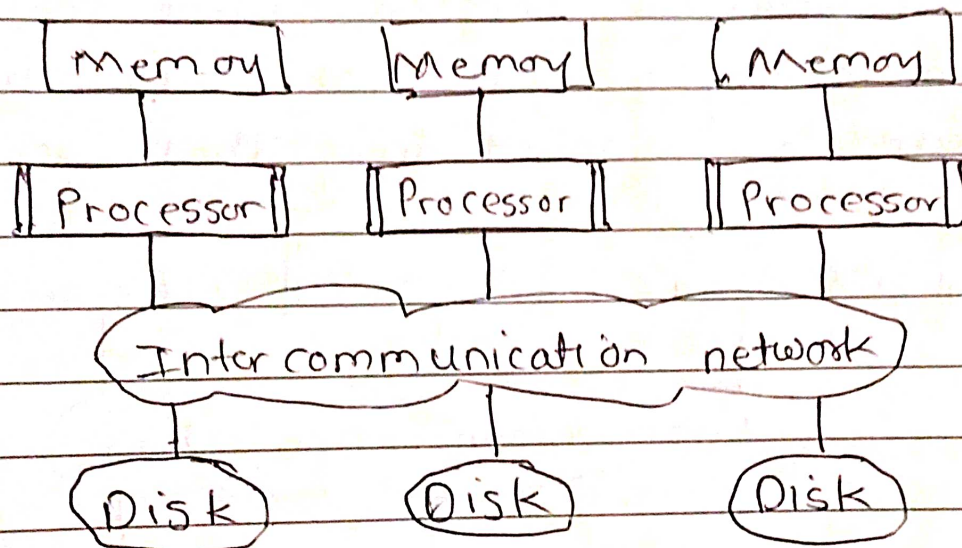
Shared Memory System -

- Shared memory system uses multiple processors which is attached to a global shared memory via intercommunication channel or bus.
- Shared memory systems have large amount of cache memory available for each processor, so referencing the shared memory is avoided.
- If a processor performs write operation to a memory location, the data should be updated or removed from that location.



Shared Disk System-

- Shared disk system uses multiple processors which are accessible to multiple disks via intercommunication channel and every processor has a local memory.
- Each processor has its own memory so the data sharing is efficient.
- A system built around this system is called clusters.



- ~~Fault~~ Fault tolerance is achieved using Shared disk system, which is, if a processor or memory fails, the other processor can complete the task. ~~Thus~~.