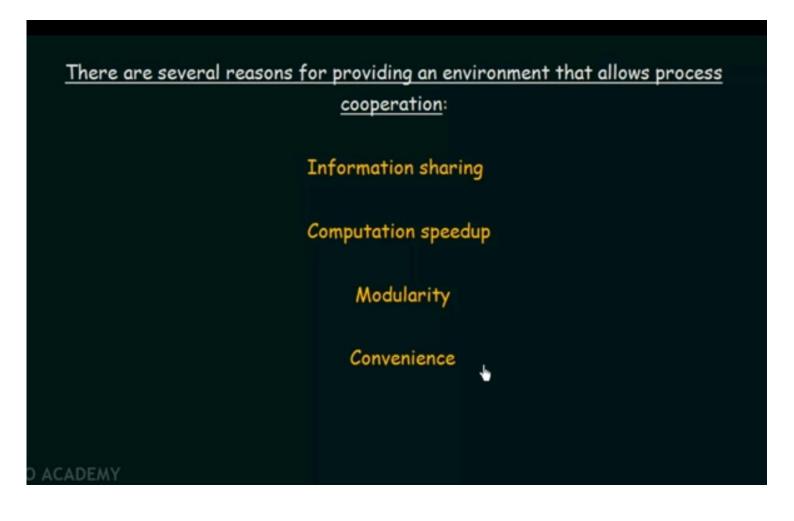
Interprocess Communication

Processes executing concurrently in the operating system may be either independent processes or cooperating processes.

Independent processes - They cannot affect or be affected by the other processes executing in the system.

Cooperating processes - They can affect or be affected by the other processes executing in the system.

Any process that shares data with other processes is a cooperating process.



Cooperating processes require an interprocess communication (IPC) mechanism that will allow them to exchange data and information.

There are two fundamental models of interprocess communication:

- (1) Shared memory
- (2) Message passing
- In the shared-memory model, a region of memory that is shared by cooperating processes is established. Processes can then exchange information by reading and writing data to the shared region.
- In the message passing model, communication takes place by means of messages exchanged between the cooperating processes.

JESO ACADEMY

