2.)

System calls used :-

A message queue is a linked list of messages stored within the kernel and identified by a message queue identifier.

The basic idea of a message queue is a simple one.

Two (or) more processes can exchange info. via access to a common system message queue.

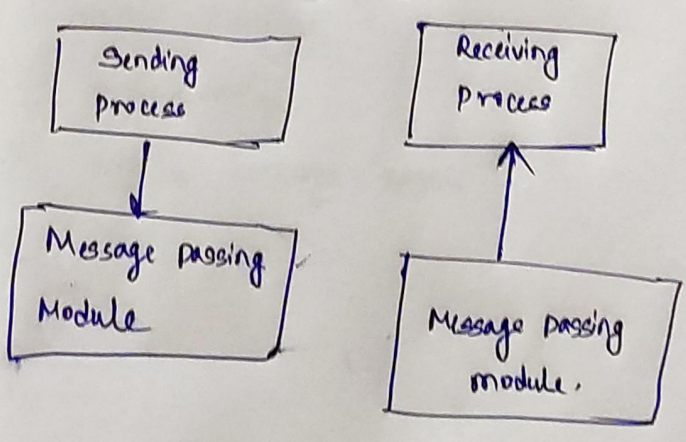
→ fork() → generate a unique key

→ msgget() → either returns the message queue identifier for a newly created message queue (or) returns identifier.

→ msgsnd() → data is placed onto a message queue by called

→ msgrcv() → messages are retrieved from queue.

→ msgctl() → various operation on queue



Program algorithm

written process of message process

1. form a structure for message queue
2. generate unique key
3. create a message queue
4. return identifier.
5. send message
6. display message.

- message queue for reader process

1. Structure for msg queue
2. generate unique key
3. Create message queue
4. return identifier
5. Receive message
6. display message
7. destroy message queue