**EXPERIMENT 10**

**Illustrate the concept of inter-process communication using message queue with a c program**

## AIM :

To implement the concept of inter-process communication using message queue with a c program

## ALGORITHM :

1. Create a message queue:
   * Use msgget() function to create a new message queue or get the identifier of an existing one.
   * Ensure to handle errors if the message queue creation fails.
2. Send a message to the queue (Producer process):
   * Define a structure for the message containing necessary data fields.
   * Populate the message structure with appropriate data.
   * Use msgsnd() function to send the message to the message queue.
   * Handle errors if message sending fails.
3. Receive a message from the queue (Consumer process):
   * Define a structure for the message to receive data.
   * Use msgrcv() function to receive a message from the message queue.
   * Process the received message as needed.
   * Handle errors if message receiving fails.
4. Remove the message queue (Optional):
   * Use msgctl() function with IPC\_RMID command to remove the message queue when it's no longer needed.

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