**Name:** JAYASURYA C

**Department:** B.Tech Information Technology  
**Course:** Operating Systems  
**Course Code:** CSA0403  
**Experiment No.:** 10

Illustrate the concept of inter-process communication using message queue with a C program.

### ****AIM****

The aim of this program is to illustrate the concept of **Inter-Process Communication (IPC) using Message Queues**, where processes can send and receive messages in a queue managed by the operating system kernel.

### ****ALGORITHM****

**For the Sender Process:**

Generate a unique key using ftok().

Create or access a message queue using msgget().

Prepare a message structure and fill it with data.

Send the message into the queue using msgsnd().

Exit.

**For the Receiver Process:**

Generate the same key using ftok().

Access the existing message queue using msgget().

Receive a message from the queue using msgrcv().

Display the message.

Remove the message queue using msgctl().

PROGRAM AND OUTPUT:

