## 10. Illustrate the concept of inter-process communication using message queue with a c program

## A. Code:

```
#include <stdio.h>
#include <stdlib.h>
#include <errno.h>
#include <sys/types.h>
#include <sys/ipc.h>
#include <sys/msg.h>
#define PERMS 0644
struct my_msgbuf {
 long mtype;
 char mtext[200];
};
int main(void) {
 struct my_msgbuf buf;
 int msqid;
 int toend;
 key_t key;
 if ((key = ftok("msgq.txt", 'B')) == -1) {
   perror("ftok");
   exit(1);
 }
 if ((msqid = msgget(key, PERMS)) == -1) { /* connect to the queue */
   perror("msgget");
   exit(1);
 }
 printf("message queue: ready to receive messages.\n");
```

## Output

C

A module you have imported isn't available at the moment. It will be available soon.