

## PROGRAM NUMBER : 10

### PROGRAM:

```
#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");

for(;;) { /* normally receiving never ends but just to make conclusion
    /* this program ends wuth string of end */
    if (msgrcv(msqid, &buf, sizeof(buf.mtext), 0, 0) == -1) {
        perror("msgrcv");
        exit(1);
    }

    printf("rcvd: \"%s\"\n", buf.mtext);
    toend = strcmp(buf.mtext, "end");
    if (toend == 0)
        break;
}

printf("message queue: done receiving messages.\n");
system("rm msgq.txt");
return 0;
}

```

**OUTPUT:**

Output

Cl

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