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#include<stdio.h>
#include<stdlib.h>
#include<sys/types.h>
#include<sys/ipc.h>
#include<sys/msg.h>
#include<string.h>
struct mesgq
{
    long type;
    char text[200];
} mq;
void main()
{
    int msqid1,msqid2,msqid3,msqid4,msqid5,len;
    key_t key1 = 1000;
    key_t key2 = 1001;
    key_t key_3 = 1002;
    key_t key_4 = 1003;
    key_t key_5 = 1004;
    if((msqid1 =msgget(key1,0644|IPC_CREAT))==-1)
        perror("msgget error client 1 ");
        exit(1);
    if((msqid2 =msgget(key2,0644|IPC_CREAT))==-1)
        perror("msgget error client 2 ");
        exit(1);
    if((msqid3 =msgget(key3,0644|IPC CREAT))==-1)
        perror("msgget error client 3");
        exit(1);
    if((msqid4 =msgget(key4,0644|IPC_CREAT))==-1)
        perror("msgget error client 4 ");
        exit(1);
    if((msqid5 =msgget(key5,0644|IPC_CREAT))==-1)
        perror("msgget error client 5 ");
        exit(1);
    }
    printf("Server Ready \n");
    printf("Enter text, ^D to quit \n");
    mq.type=1;
    while(fgets(mq.text,sizeof(mq.text),stdin)!=NULL)
        len=strlen(mq.text);
        if(mq.text[len-1]=='\n')
        {
            mq.text[len-1] == ' \setminus 0';
        }
        msgsnd(msqid1,&mq,len+1,0);
        msgsnd(msqid2,&mq,len+1,0);
        msgsnd(msqid3,&mq,len+1,0);
        msgsnd(msqid4,\&mq,len+1,0);
        msgsnd(msqid5,&mq,len+1,0);
        if(msgrcv(msqid1,&mq,sizeof(mq.text),1,0));
```

```
{
               printf("From Client 1: \"%s\"\n",mq.text);
          if(msgrcv(msqid2,&mq,sizeof(mq.text),1,0));
          {
               printf("From Client 2: \"%s\"\n",mq.text);
          if(msgrcv(msqid3,&mq,sizeof(mq.text),1,0));
          {
               printf("From Client 3: \"%s\"\n",mq.text);
          if(msgrcv(msqid4,&mq,sizeof(mq.text),1,0));
               printf("From Client 4: \"%s\"\n",mq.text);
          if(msgrcv(msqid5,&mq,sizeof(mq.text),1,0));
          {
               printf("From Client 5: \"%s\"\n",mq.text);
          }
    msgctl(msqid1,IPC_RMID,NULL);
msgctl(msqid2,IPC_RMID,NULL);
msgctl(msqid3,IPC_RMID,NULL);
msgctl(msqid4,IPC_RMID,NULL);
msgctl(msqid4,IPC_RMID,NULL);
    msgctl(msqid5,IPC_RMID,NULL);
}
```