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//Inter-thread Communication using Shared memory
#include <sys/ipc.h>
#include <sys/shm.h>
#include <stdio.h>
#include <pthread.h>
void * sthread() // sender thread
{
      key t key = ftok("shmfile",65);
      int shmid = shmget(key,1024,0666|IPC CREAT);
      char *str = (char*) shmat(shmid,(void*)0,0);
      printf("Write Data : ");
      gets(str);
      printf("Data written in memory: %s\n",str);
      shmdt(str);
      flag=1;
      pthread exit(NULL);
void *rthread() //receiver thread
{
      key t key = ftok("shmfile",65);
      int shmid = shmget(key,1024,0666|IPC CREAT);
      char *str = (char*) shmat(shmid,(void*)0,0);
      printf("Data read from memory: %s\n",str);
       shmdt(str);
      shmctl(shmid,IPC RMID,NULL);
int main(void)
{
      pthread t tid1;
      pthread_t tid2;
      pthread_create(&tid1, NULL, sthread, NULL);
      pthread_create(&tid1, NULL, rthread, NULL);
      pthread join(tid1, NULL);
      pthread join(tid2, NULL);
      return 0;
}
```