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TI71

1st process

```
#include<stdio.h>
#include<sys/ipc.h>
#include<sys/shm.h>
struct flag
{
        char buffer[100];
        int status;
};
void main()
{
        key_t key = ftok("abc.txt",'A');

        int shmid = shmget(key,sizeof(struct flag),0666|IPC_CREAT);

        struct flag * str = (struct flag*) shmat(shmid,(void*)0,0);
        str->status=0;

        while(str->status!=1)
        {
                printf("\nWaiting");
        }
        printf("\nData read from memory: %s\n",str->buffer);
        printf("\nWrite data :");
        gets(str->buffer);
        str->status=0;
        shmdt(str);
        shmctl(shmid,IPC_RMID,NULL);
}
```

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process 2

```
#include<stdio.h>
#include<sys/ipc.h>
#include<sys/shm.h>
#include<string.h>
struct flag
{
        char buffer[100];
        int status;
};
void main()
{
        key_t key=ftok("abc.txt",'A');
```

```
        int shmid=shmget(key,sizeof(struct flag),0666|IPC_CREAT);

        struct flag * str = (struct flag *) shmat(shmid,(void*)0,0);
        str->status=0;
        printf("\nWrite Data : ");
        gets(str->buffer);
        printf("\nData written in memory: %s\n",str);
        str->status=1;
        while(str->status!=0)
        {
                printf("\nWaiting");
        }
        printf("\nData written in memory: %s\n",str);

        shmdt(str);

}
```