

```
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
#include<sys/shm.h>
#include<string.h>
int main()
{
    int i;
    void *shared_memory;
    char buff[100];
    int shmid;
    shmid=shmget((key_t)2345, 1024, 0666|IPC_CREAT);
    printf("Key of shared memory is %d\n",shmid);
    shared_memory=shmat(shmid,NULL,0);
    printf("Process attached at %p\n",shared_memory);
    printf("Enter some data to write to shared memory\n");
    read(0,buff,100);
    strcpy(shared_memory,buff);
    printf("You wrote : %s\n",(char *)shared_memory);
}
```

#include <stdio.h>

#include <sys/types.h>

#include <unistd.h>

#include <sys/shm.h>

int main()

{

int key = 1409037;

void *shm;

char *data;

int len = 20;

shmid = shm_open("shm", O_RDWR, 0666);

if (shmid == SHM_FAILURE)

return 1;

shm = mmap(0, len, PROT_READ | PROT_WRITE,

MAP_SHARED, shmid, 0);

if (shm == MAP_FAILED)

return 1;

printf("Process attached at 0x7f7e10915000\n",

shm);

printf("Enter some data to write to shared memory\n",

shm);

fgets(data, len, stdin);

memcpy(shm, data, len);

printf("You wrote : MAHI HARDIK RAHUL\n",

shm);

return 0;

}

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user@user-HP-ProDesk-400-G1-SFF:~/Desktop\$ cc ipcsmos.c

user@user-HP-ProDesk-400-G1-SFF:~/Desktop\$./a.out

Key of shared memory is 1409037

Process attached at 0x7f7e10915000

Enter some data to write to shared memory

MAHI HARDIK RAHUL

You wrote : MAHI HARDIK RAHUL

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