Writer

#include <sys/ipc.h>

#include <sys/shm.h>

#include <stdio.h>

#include <unistd.h>

#include <stdlib.h>

int main()

{

key\_t key = ftok("a.txt", 'A');

int shmid = shmget(key, 1024, 0777 | IPC\_CREAT);

char \*str = (char \*)shmat(shmid, (void \*)0, 0);

printf("write data into file: ");

fgets(str, 1024, stdin); // Use fgets instead of gets

printf("Data written in memory: %s\n", str);

shmdt(str);

system("ipcs -m");

return 0;

}

Reader

#include<sys/ipc.h>

#include <sys/shm.h>

#include <stdio.h>

#include<unistd.h>

#include<stdlib.h>

int main()

{

key\_t key=ftok("a.txt",'A');

int shmid= shmget( key ,1024,0777|IPC\_CREAT);

char \*str= (char\*) shmat(shmid,(void\*)0,0);

printf("Data read from memory: %s\n",str);

system("ipcs -m");

shmdt(str);

shmctl(shmid,IPC\_RMID,NULL);

return 0;

}

