SHARED MEMORY SERVER

#include<sys/types.h>

#include<sys/ipc.h>

#include<sys/shm.h>

#include<stdlib.h>

#include<stdio.h>

#define SHMSZ 27

main()

{

char c;

int shmid;

key\_t key;

char \*shm,\*s;

key=3172;

if((shmid=shmget(key,SHMSZ,IPC\_CREAT |0666))<0)

{

perror("shmget");

exit(1);

}

if((shm=shmat(shmid,NULL,0))==(char \*)-1)

{

perror("shmat");

exit(1);

}

s=shm;

for(c='a';c<='z';c++)

\*s++=c;

\*s='\0';

printf("Shared memory altered by client\n");

while(\*shm!='\*')

sleep(1);

printf("%s",shm);

printf("\n");

exit(0);

}

SHARED MEMORY CLIENT

#include<sys/types.h>

#include<sys/ipc.h>

#include<sys/shm.h>

#include<stdio.h>

#include<stdlib.h>

#define SHMSZ 27

main()

{

int shmid;

key\_t key;

char \*shm,\*s;

key=3172;

if((shmid=shmget(key,SHMSZ,0666))<0)

{

perror("shmget");

exit(1);

}

if((shm=shmat(shmid,NULL,0))==(char \*)-1)

{

perror("shmat");

exit(1);

}

printf("Content of shared memory written by server\n");

for(s=shm;\*s!='\0';s++)

putchar(\*s);

putchar('\n');

\*shm='\*';

exit(0);

}

OUTPUT

Content of shared memory written by server

Abcdefghijklmnopqrstuvwxyz

Shared memory altered by client

\*bcdefghijklmnopqrstuvwxyz