#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); //creates shared memory segment with key 2345, having size 1024 bytes. IPC\_CREAT is used to create the shared segment if it does not exist. 0666 are the permisions on the shared segment

printf("Key of shared memory is %d\n",shmid);

shared\_memory=shmat(shmid,NULL,0); //process attached to shared memory segment

printf("Process attached at %p\n",shared\_memory); //this prints the address where the segment is attached with this process

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

read(0,buff,100); //get some input from user

strcpy(shared\_memory,buff); //data written to shared memory

printf("You wrote : %s\n",(char \*)shared\_memory);

}