#include<stdio.h>

#include<sys/ipc.h>

#include<sys/shm.h>

#include<sys/types.h>

#include<string.h>

#include<stdlib.h>

#include<unistd.h>

#include<string.h>

int main(){

int shid,nt,i;

void \*shmp;

char buffer[100];

int avail;

shid=shmget(01234,sizeof(shmp),0644|IPC\_CREAT);// create a shared memory area

if(shid==-1){

printf("Failed to create shared memory pool aborting process\n");

return 1;

}

shmp=shmat(shid,NULL,0);//atatch to the shared memory

if(shmp==(void \*)-1){

printf("Failed to attach to shared memory,process terminating\n");

return 1;

}

//reading from shm

printf("The Contents Read from Shared memory:\t");

strcpy(buffer,shmp);

printf("%s\n",buffer);

printf("Reading Process:Read finished\n");

if(shmdt(shmp)==-1){//detaching from shared memory

printf("Failed to detatch from Shared memory, process terminating\n");

return 1;

}

if(shmctl(shid, IPC\_RMID,0)==-1){//Destroying the shared memory

printf("Failed to Destroy shared memory, Process terminating\n");

return 1;

}

printf("Reading process Completed\n");

return 0;

}