#include <iostream>

#include <stdio.h>

#include <sys/ipc.h>

#include <sys/shm.h>

using namespace std;

int main()

{

// ftok to generate unique key

key\_t key = ftok("shmfile", 65);

// shmget returns an identifier in shmid

int shmid = shmget(key, 1024, 0666 | IPC\_CREAT);

// shmat to attach to shared memory

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

cout << "Data read from memory:" << str;

// detach from shared memory

shmdt(str);

// destroy the shared memory

shmctl(shmid, IPC\_RMID, NULL);

return 0;

}

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// ftok to generate unique key

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int shmid = shmget(key, 1024, 0666 | IPC\_CREAT);

// shmat to attach to shared memory

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

cout << "Write Data : ";

cin.getline(str, 1024);

cout << "Data written in memory: " << str << endl;

// detach from shared memory

shmdt(str);

return 0;

}



