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# PROGRAM TO IMPLEMENT INTERPROCESS COMMUNICATION USING SHARED MEMORY

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CS4B 17

MDL20CS035

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**CODE:**

#include <sys/ipc.h>

#include <sys/shm.h>

#include <stdio.h>

int main()

{

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

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

printf("Creating a new memory segment.");

printf("\nShmid: %d\n",shmid);

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

printf("Write Data : ");

scanf("%[^\n]%\*c", str);

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

shmdt(str);

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

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

shmdt(s);

shmctl(shmid,IPC\_RMID,NULL);

return 0;

}

**OUTPUT:**

