**17.** Illustrate the concept of inter-process communication using shared memory with a C program.

**PROGRAM:**

#include <stdio.h>

#include <stdlib.h>

int main(int argc, char\*\* argv)

{

int id = 0, err = 0;

int\* mem;

if (id == -1)

perror("shmget");

else

printf("Allocated with shm id %d\n", (int)id);

perror("shmat");

\*mem = 100;

printf("Start other process-->");

getchar();

printf("mem is now %d\n", \*mem);

if (err == -1)

perror("shmctl");

else

printf("Removed %d\n", (int)(err));

return 0;

}

**OUTPUT:**

