

```

1  #ifndef SHARED_MEMORY_INCLUDE
2  #define SHARED_MEMORY_INCLUDE
3
4  //*****
5  // File:      shmem.h
6  // Author:    M. Thaler    18.01.2003
7  //
8  // Shared Memory
9  //*****
10
11 #include <sys/types.h>
12 #include <unistd.h>
13 #include <stdlib.h>
14 #include <fcntl.h>
15 #include <sys/ipc.h>
16 #include <sys/shm.h>
17
18 #include <iostream>
19 using namespace std;
20
21 //*****
22
23 #define DEFAULT_SHARED_MEMORY_SIZE 256
24
25 //*****
26
27 class SharedMemory {
28     public:
29     SharedMemory(int size = DEFAULT_SHARED_MEMORY_SIZE);
30     SharedMemory(int size, const char* keyFile, int projID);
31     ~SharedMemory();
32     void* getSharedMemory();
33     void removeSharedMemory();
34
35     private:
36     int createSharedMemory();
37     static int    shmSize;
38     static int    shmID;
39     static void*  shmAddr;
40     static char*  keyFilename;
41     static int    projectID;
42 };
43
44 //*****
45
46 #endif
47

```