

```
#include<sys/ipc.h>  
#include<sys/shm.h>  
#include<unistd.h>  
#include<stdio.h>  
#include<string.h>  
#include<stdlib.h>  
void main()  
{ int id;  
    void *sm;  
    char buf[100];  
    id=shmget((key_t)1222,1024,0666|IPC_CREAT);  
    printf("Key of Shared Memory is %d\n",id);  
    sm=shmat(id,NULL,0);  
    printf("Process attached at %p\n",sm);  
    printf("Enter the data to be written:\n");  
    read(0,buf,100);  
    strcpy(sm,buf);  
    printf("Written Data is:\n%s\n",(char *)sm); }
```

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void main()
{  int id;
    void *sm;
    char buf[100];
    id=shmget((key_t)1222,1024,0666);
    printf("Key of Shared Memory is %d\n",id);
    sm=shmat(id,NULL,0);
    printf("Process attached at %p\n",sm);
    printf("Data read from Memory:\n%s\n",(char *)sm);
    strcpy(buf,sm);
    int a=buf[0]-'0';
    int b=buf[2]-'0';
    printf("The Sum is %d\n",a+b);    }
```