

Sender

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/shm.h>
#include <string.h>
int main()
{
    int i;
    void *shared_memory;
    char buff[100];
    int shmid;
    shmid = shmget((key_t)2345, 1024, 0666 | IPC_CREAT);
    printf("Key of shared memory is %d\n", shmid);
    shared_memory = shmat(shmid, NULL, 0);
    printf("Process attached at %p\n", shared_memory);
    printf("Enter some data to write to shared memory\n");
    read(0, buff, 100);
    strcpy(shared_memory, buff);
    printf("You wrote : %s\n", (char *)shared_memory);
}
```

Receiver

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/shm.h>
#include <string.h>
int main()
{
    int i;
    void *shared_memory;
    char buff[100];
    int shmid;
    shmid = shmget((key_t)2345, 1024, 0666);
    printf("Key of shared memory is %d\n", shmid);
    shared_memory = shmat(shmid, NULL, 0);
    printf("Process attached at %p\n", shared_memory);
    printf("Data read from shared memory is : %s\n", (char *)shared_memory);
}
```

```
fish /home/sapatevaibhav/Documents/OSL
sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> gcc
pr7Sender.c -o pr7Sender && pr7Sender
Key of shared memory is 426026
Process attached at 0x7fc0438f7000
Enter some data to write to shared memory
This is some kind of data
You wrote : This is some kind of data

sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> gcc
pr7Sender.c -o pr7Sender && pr7Sender
Key of shared memory is 426026
Process attached at 0x7fc45df4b000
Enter some data to write to shared memory
I am a student
You wrote : I am a student

sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> gcc
pr7Sender.c -o pr7Sender && pr7Sender
Key of shared memory is 426026
Process attached at 0x7f42699da000
Enter some data to write to shared memory
I am not good in the communication skills
You wrote : I am not good in the communication skills

sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> gcc
pr7Sender.c -o pr7Sender && pr7Sender
Key of shared memory is 426026
Process attached at 0x7fbc763cc000
Enter some data to write to shared memory
you are my enemy
You wrote : you are my enemy
```

```
fish /home/sapatevaibhav/Documents/OSL
sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> gcc
pr7receiver.c -o pr7receiver && pr7receiver
Key of shared memory is 426026
Process attached at 0x7fae9946d000
Data read from shared memory is : This is some kind of
data

sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> gcc
pr7receiver.c -o pr7receiver && pr7receiver
Key of shared memory is 426026
Process attached at 0x7f500cf4c000
Data read from shared memory is : I am a student

sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> gcc
pr7receiver.c -o pr7receiver && pr7receiver
Key of shared memory is 426026
Process attached at 0x7f6a7246b000
Data read from shared memory is : I am not good in the
communication skills

sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> gcc
pr7receiver.c -o pr7receiver && pr7receiver
Key of shared memory is 426026
Process attached at 0x7fc7a5f42000
Data read from shared memory is : you are my enemy

sapatevaibhav@sapatevaibhav-mint ~/D/OSL (master)> █
```