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#include <sys/types.h>
#include <sys/ipc.h>
#include <sys/shm.h>
#include <stdio.h>
#include <stdlib.h>

#define SHMSZ 27

main()
{
    char c;
    int shmid;
    key_t key;
    char *shm, *s;

    /*
     * We'll name our shared memory segment
     * "5678".
     */
    key = 5678;

    /*
     * Create the segment.
     */
    if ((shmid = shmget(key, SHMSZ, IPC_CREAT | 0666)) < 0) {
        perror("shmget");
        exit(1);
    }

    /*
     * Now we attach the segment to our data space.
     */
    if ((shm = shmat(shmid, NULL, 0)) == (char *) -1) {
        perror("shmat");
        exit(1);
    }

    /*
     * Now put some things into the memory for the
     * other process to read.
     */
    s = shm;

    for (c = 'a'; c <= 'z'; c++)
        *s++ = c;
    *s = NULL;

    /*
     * Finally, we wait until the other process
     * changes the first character of our memory
     * to '*', indicating that it has read what
     * we put there.

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    */
    while (*shm != '*')
        sleep(1);

    exit(0);
}
/*Output-
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~/Pr-7B$ gcc shm_server.c
shm_server.c:9:1: warning: return type defaults to 'int' [-Wimplicit-int]
    9 | main()
      | ^~~~
shm_server.c: In function 'main':
shm_server.c:46:8: warning: assignment to 'char' from 'void *' makes integer from pointer without
a cast [-Wint-conversion]
    46 |     *s = NULL;
      |         ^
shm_server.c:55:9: warning: implicit declaration of function 'sleep' [-Wimplicit-function-
declaration]
    55 |         sleep(1);
      |         ^~~~~
avcoe@avcoe-HP-ProDesk-400-G1-SFF:~/Pr-7B$ ./a.out
*/

```