

```
int main(int argc, char *argv[])
{
    int fd;
    size_t len;                                /* Size of shared memory object */
    char *addr;

    if (argc != 3 || strcmp(argv[1], "--help") == 0) {}

    if ( (fd = shm_open(argv[1], O_RDWR | O_CREAT, S_IRUSR | S_IWUSR)) == -1 ) {}

    len = strlen(argv[2]);
    if (ftruncate(fd, len) == -1) { /* Resize object to hold string */
        printf("Resized to %ld bytes\n", (long)len);
    }

    addr = mmap(NULL, len, PROT_READ | PROT_WRITE, MAP_SHARED, fd, 0);
    if (addr == MAP_FAILED) perror("mmap");

    if (close(fd) == -1) perror("close");

    printf("copying %ld bytes\n", (long) len);
    memcpy(addr, argv[2], len);                /* Copy string to shared memory */
    exit(EXIT_SUCCESS);
}
```