How to run: simply compile the program with the following command in terminal
gcc lab3.c
Then run the following
./a.out

```
new segment created: 131132
owner            group              world            Size            Attaches
_____
rw-              ---                ---              800             0
Reading from shared memory
dbust@dbust-Latitude-E5450:~/bitbucket/Comp173Labs/Lab03$ ipcs

------ Message Queues ---------
key          msqid        owner        perms        used-bytes    messages

------ Shared Memory Segments ---------
key          shmid        owner        perms        bytes         nattch       status
0x00000000 131075         dbust        600          800           0
0x00000000 131078         dbust        600          800           0
0x00000000 131081         dbust        600          800           0
0x00000000 32778          dbust        600          524288        2            dest
0x00000000 131085         dbust        600          800           0
0x00000000 131088         dbust        600          800           0
0x00000000 131091         dbust        600          800           0
0x00000000 131092         dbust        600          524288        2            dest
0x00000000 32790          dbust        600          524288        2            dest
0x00000000 23             dbust        606          4169088       2            dest
0x00000000 24             dbust        606          4169088       2            dest
0x00000000 65561          dbust        600          800           0
0x00000000 65564          dbust        600          800           0
0x00000000 131102         dbust        600          800           0
0x00000000 65567          dbust        600          800           0
0x00000000 131116         dbust        600          800           0
0x00000000 98349          dbust        600          524288        2            dest
0x00000000 98350          dbust        600          524288        2            dest
0x00000000 131121         dbust        600          800           0
0x00000000 131124         dbust        600          800           0
0x00000000 98357          dbust        606          5541888       2            dest
0x00000000 98358          dbust        606          5541888       2            dest
0x00000000 98359          dbust        606          2880000       2            dest
0x00000000 98360          dbust        606          2880000       2            dest
0x00000000 131131         dbust        600          800           0
0x00000000 131132         dbust        600          800           0
```