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CS153

Lab 4 Report

1. In our lab, we changed multiple files in order to meet the specifications of lab 4. We changed the shm.c and the makefile. We had to update some of the existing code and add some code to handle the page fault as well as repoint the pointers for the user stack.

2. Test correctness of code:

```
Booting from Hard Disk..xv6...
cpu0: starting 0
sb: size 1000 nblocks 941 ninodes 200 nlog 30 logstart 2 inodestart 32 bmap start 58
init: starting sh
[$ shm_cnt
Counter in Parent is 1 at address 4000
Counter in Parent is 1001 at address 4000
Counter in Parent is 2001 at address 4000
Counter in Parent is 3001 at address 4000Counter in Child is 3002 at address 4000
Counter in Child is 4002 at address 4000
Counter in Child is 5002 at address 4000
Counter in Child is 6002 at address 4000
Counter in Child is 7002 at address 4000
Counter in Child is 8002 at address 4000
Counter in Child is 9002 at address 4000
Counter in Child is 10002 at address 4000
Cou
Counter in Parent is 12002 at address 4000
Counter in Parent is 13002 at address 4000
Counter in Parent is 14002 at address 4000
Counter in Pnter in Child is 11002 at address 4000
Counter in Child is 16002 at address 4000
Counter in child is 17001

arent is 15002 at address 4000
Counter in Parent is 18001 at address 4000
Counter in Parent is 19001 at address 4000
Counter in parent is 20000
```