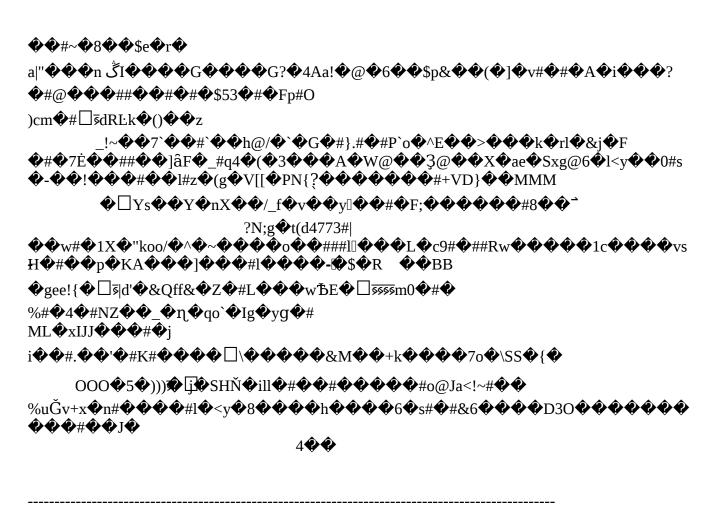
/\*Hin Lok Chan csc 415 Jpnathan Potter 10/13/2015 hw4 \*/

As always, the quote is written by Fedora 21, and compile with gcc; this computer is Dell core 2 duo. Most of the quote copy form shared\_buffer.c and my hw2. The output part is used %x to change the Oct to hex .w. . I used two lock to make sure the thread will not disorder with the data.

i tried on pdf and .jpg both of them outcome crazy output... as you see the Null (Ox0)is bigger than usually too....i guess the Buffer\_size is too big and the file is too small, so most character is NULL..

p.s. I copy part of Untitled\_1.odt by cat and it explains the crazy outcome, which all ASCII have some number..



[xdlulu@localhost Desktop]\$ gcc -pthread -o hw4 hw4.c [xdlulu@localhost Desktop]\$ time ./hw4 hw4.c out2.txt with 1 NUM\_THREADS

real 0m0.004s

user 0m0.001s sys 0m0.002s

[xdlulu@localhost Desktop]\$ gcc -pthread -o hw4 hw4.c [xdlulu@localhost Desktop]\$ time ./hw4 hw4.c out2.txt with 2 NUM\_THREADS

real 0m0.005s user 0m0.002s sys 0m0.004s

[xdlulu@localhost Desktop]\$ gcc -pthread -o hw4 hw4.c [xdlulu@localhost Desktop]\$ time ./hw4 hw4.c out2.txt with 4 NUM THREADS

real 0m0.006s user 0m0.001s sys 0m0.003s

[xdlulu@localhost Desktop]\$ gcc -pthread -o hw4 hw4.c [xdlulu@localhost Desktop]\$ time ./hw4 hw4.c out2.txt with 8 NUM\_THREADS

real 0m0.003s user 0m0.001s sys 0m0.002s

[xdlulu@localhost Desktop]\$

## 63014 occurrences of Ox0

0 occurrences of Ox1

0 occurrences of Ox2

0 occurrences of Ox3

0 occurrences of Ox4

0 occurrences of Ox5

0 occurrences of Ox6

0 occurrences of Ox7

0 occurrences of Ox8

2 occurrences of Ox9

103 occurrences of Oxa

0 occurrences of Oxb

0 occurrences of Oxc

0 occurrences of Oxd

0 occurrences of Oxe

0 occurrences of Oxf

0 occurrences of Ox10

0 occurrences of Ox11

0 occurrences of Ox12

0 occurrences of Ox13

0 occurrences of Ox14

0 occurrences of Ox15

- 0 occurrences of Ox16
- 0 occurrences of Ox17
- 0 occurrences of Ox18
- 0 occurrences of Ox19
- 0 occurrences of Ox1a
- 0 occurrences of Ox1b
- 0 occurrences of Ox1c
- 0 occurrences of Ox1d
- 0 occurrences of Ox1e
- 0 occurrences of Ox1f
- 653 occurrences of Ox20
- 2 occurrences of Ox21
- 16 occurrences of Ox22
- 8 occurrences of Ox23
- 0 occurrences of Ox24
- 7 occurrences of Ox25
- 5 occurrences of Ox26
- 0 occurrences of Ox27
- 42 occurrences of Ox28
- 42 occurrences of Ox29
- 9 occurrences of Ox2a
- 17 occurrences of Ox2b
- 20 occurrences of Ox2c
- 1 occurrences of Ox2d
- 6 occurrences of Ox2e
- 23 occurrences of Ox2f
- 14 occurrences of Ox30
- 11 occurrences of Ox31
- 9 occurrences of Ox32
- 2 occurrences of Ox33
- 0 occurrences of Ox34
- 3 occurrences of Ox35
- 2 occurrences of Ox36
- 0 occurrences of Ox37
- 1 occurrences of Ox38
- 0 occurrences of Ox39
- 0 occurrences of Ox3a
- 61 occurrences of Ox3b
- 16 occurrences of Ox3c
- 23 occurrences of Ox3d
- 6 occurrences of Ox3e 0 occurrences of Ox3f
- 0 occurrences of Ox40
- 20 occurrences of Ox41
- 16 occurrences of Ox42
- 16 occurrences of Ox43
- 6 occurrences of Ox44
- 18 occurrences of Ox45
- 2 occurrences of Ox46

- 0 occurrences of Ox47
- 5 occurrences of Ox48
- 20 occurrences of Ox49
- 0 occurrences of Ox4a
- 1 occurrences of Ox4b
- 10 occurrences of Ox4c
- 6 occurrences of Ox4d
- 10 occurrences of Ox4e
- 4 occurrences of Ox4f
- 1 occurrences of Ox50
- 0 occurrences of Ox51
- 7 occurrences of Ox52
- 22 occurrences of Ox53
- 6 occurrences of Ox54
- o occurrences of OAS
- 9 occurrences of Ox55 0 occurrences of Ox56
- 0 occurrences of Ox57
- 0 occurrences of Ox58
- 1 occurrences of Ox59
- 6 occurrences of Ox5a
- 20 occurrences of Ox5b
- 6 occurrences of Ox5c
- 20 occurrences of Ox5d
- 0 occurrences of Ox5e
- 41 occurrences of Ox5f
- 0 occurrences of Ox60
- 65 occurrences of Ox61
- 12 occurrences of Ox62
- 42 occurrences of Ox63
- 61 occurrences of Ox64
- 118 occurrences of Ox65
- 80 occurrences of Ox66
- 18 occurrences of Ox67
- 27 occurrences of Ox68
- 97 occurrences of Ox69
- 6 occurrences of Ox6a
- 18 occurrences of Ox6b
- 43 occurrences of Ox6c
- 9 occurrences of Ox6d
- 92 occurrences of Ox6e
- 64 occurrences of Ox6f
- 20 occurrences of Ox70 0 occurrences of Ox71
- 87 occurrences of Ox72
- 41 occurrences of Ox73
- 106 occurrences of Ox74
- 57 occurrences of Ox75
- 13 occurrences of Ox76
- 4 occurrences of Ox77

16 occurrences of Ox78
9 occurrences of Ox79
5 occurrences of Ox7a
17 occurrences of Ox7b
0 occurrences of Ox7c
17 occurrences of Ox7d
0 occurrences of Ox7e
0 occurrences of Ox7f