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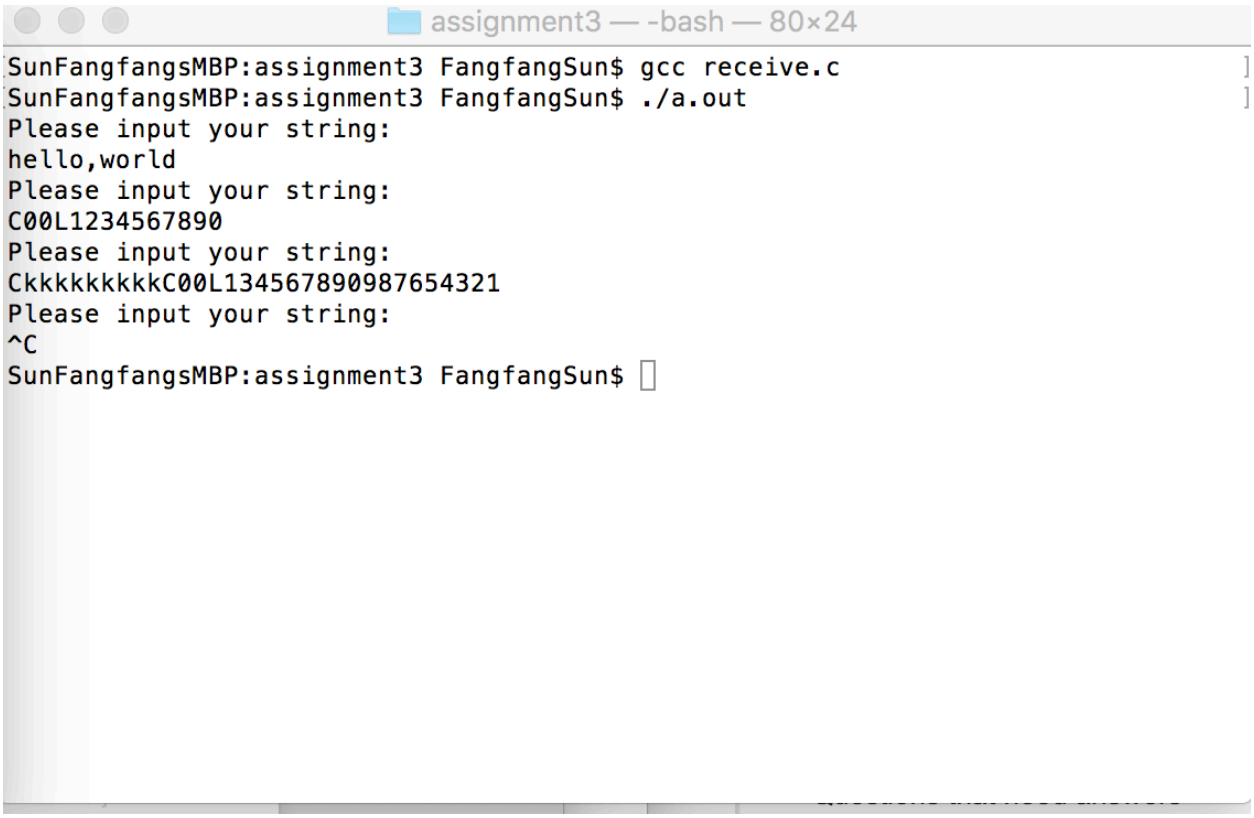
Assignment 3 (Shared Memory)

Answer:
There are two processes in my project, we use shared memory to store the characters got from the input, use semaphores to protect the shared memory, and make sure there is only one process to gain access to the shared memory.

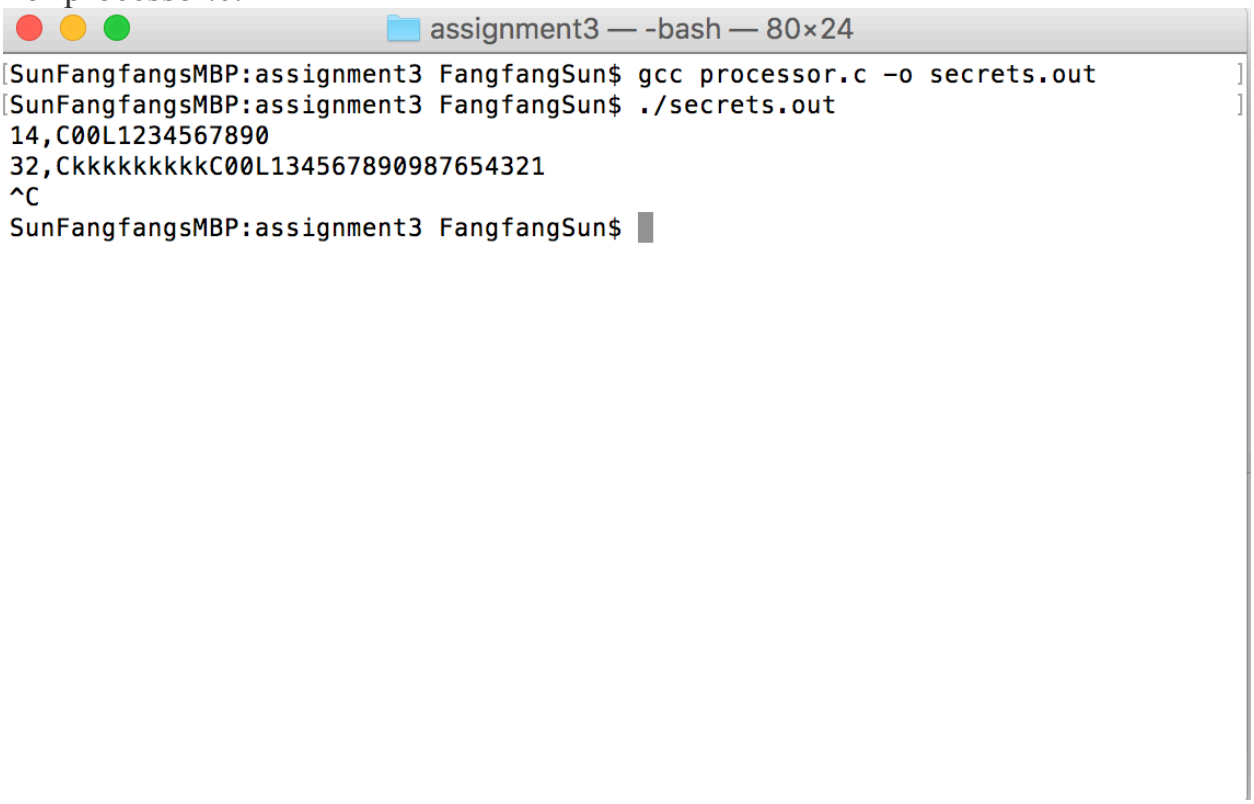
Executing steps for receive.c:
1 open one terminal, run: "gcc receive.c"
2 execute the object file for receive.c: "./a.out"

Executing steps for processor.c:
1 open the other terminal, run: "gcc processor.c –o secret.out"
2 execute the object file for receive.c: "./secret.out"

Result for this assignment:
For receive.c:



For processor.c:



In a word, from the previous results we can see that lines with “C00L” were stored

in the file “secret.out”.