CSS 430

Prof: Yang Peng

Assignment 4a

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Assignment 4a Purpose:

This assignment implements malloc() and free() using the "sbrk" system function: change data segment size. Your implementation is based on the first-fit and the best-fit strategies. Since the original malloc/free functions in Linux use "brk" (an even more legacy function than sbrk), you can compare your own and the Linux-original implementations in terms of # brk system function calls.

Below are the screenshots and the challenges that I have faces during the assignment.

Output for \$ strace ./a.out | 2>&1 | grep brk

Output for \$ strace ./a.out b 2>&1 | grep brk

Output for \$ strace ./a.out f 2>&1 | grep brk

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