# LAB4

# Cs153

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1. Procedure:
    a. In shm.c, we first need to modify shm_open
        i. See if the id matches the id in shm_table.shm_pages[].id
            1. If matches:
                a. Map virtual address to physical address
                b. Increase refcnt
                c. Set pointer to the virtual address
                d. Update virtual address to next page
            2. If not  Set the id in the page table
            3. Set reallocate physical frame, initialize the realloc pointer
                1. void *memset(void *s, int c, size_t n);

ii.The memset() function fills the first n bytes of the memory area pointed to by s with the constant byte c
a.        Set refcnt to 1
b.        Map the virtual address to physical address
c.        Update page size

ii.Make sure the lock is covered the loop
            b. In shm_close() we need to decrement refcnt when the id is in the page table and not equal to 0
            c. If it is the last process then initialize the id, frame, refcnt