

1. Write an ioctl command to sort the first quantum of the first Sculldev in scull device(modify main.c)
2. Write an ioctl command to sort the nth quantum of the first Sculldev in scull device(modify main.c)
3. Implement an ioctl command to change the first and second pointers in the first sculldev of the scull device.
4. Display the first 50 characters of the first quantum of each of the 4 scull devices using proc filesystem.
5. Display the last 50 characters of the of each of the 4 scull devices using proc filesystem.
6. Implement an ioctl command to empty the scull device(use scull trim).
7. Modify lseek to move fops to the ith qpos of the first quantum. Suppose the call is lseek (fd, 5, SEEK_SET), move to the 5th quantum.
8. Create a proc entry to change the quantum in each scull device.
9. Create a proc entry to sort the characters in the first quantum of each scull device.
10. Create a proc entry to blank out the first quantum of each scull device.
11. Modify scull_priv to allow each user to have a single persistent set of data.
12. Modify scull_priv to allow each group id to have a single persistent set of data.
13. Modify scull_priv to insert the key in increasing order.
14. Allow upto 3 users in scull_uid
15. Don't allow su to be special in scull_wuid. Consider su also as a user.
16. Allow upto 3 entries in scull_single.
17. Use IOCTL to change the number of entries to be allowed into scull_single.

18. Use IOCTL to change the number of entries into scull_user.
19. Use IOCTL to change the number of entries into scull_wuid.
20. Use IOCTL to print the size of each scull device i.e. Scull0,Scull1,Scull2 and Scull3.
21. Design a bottom half which prints hello world.Insert this in the read function of scull as a part of the scheduler queue.
22. Design a BH which prints hello world.Insert this in the write function of scull as a part of Timer queue.
23. Same as question 22. - as a part of immediate queue.
24. Same as question 22 – as a part of tasklet.
25. Design a timer which calls a function to print hello world after 20 seconds.Insert this timer in read function.