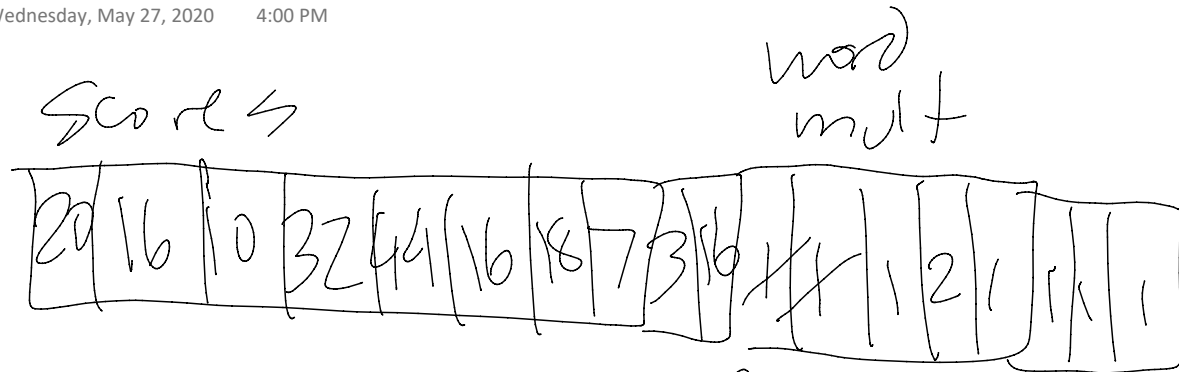


5/27/20 Part Video - Linked List Delete

Wednesday, May 27, 2020 4:00 PM



ALL OC ENDOU 6+1
MEMORY

Linked List Delete

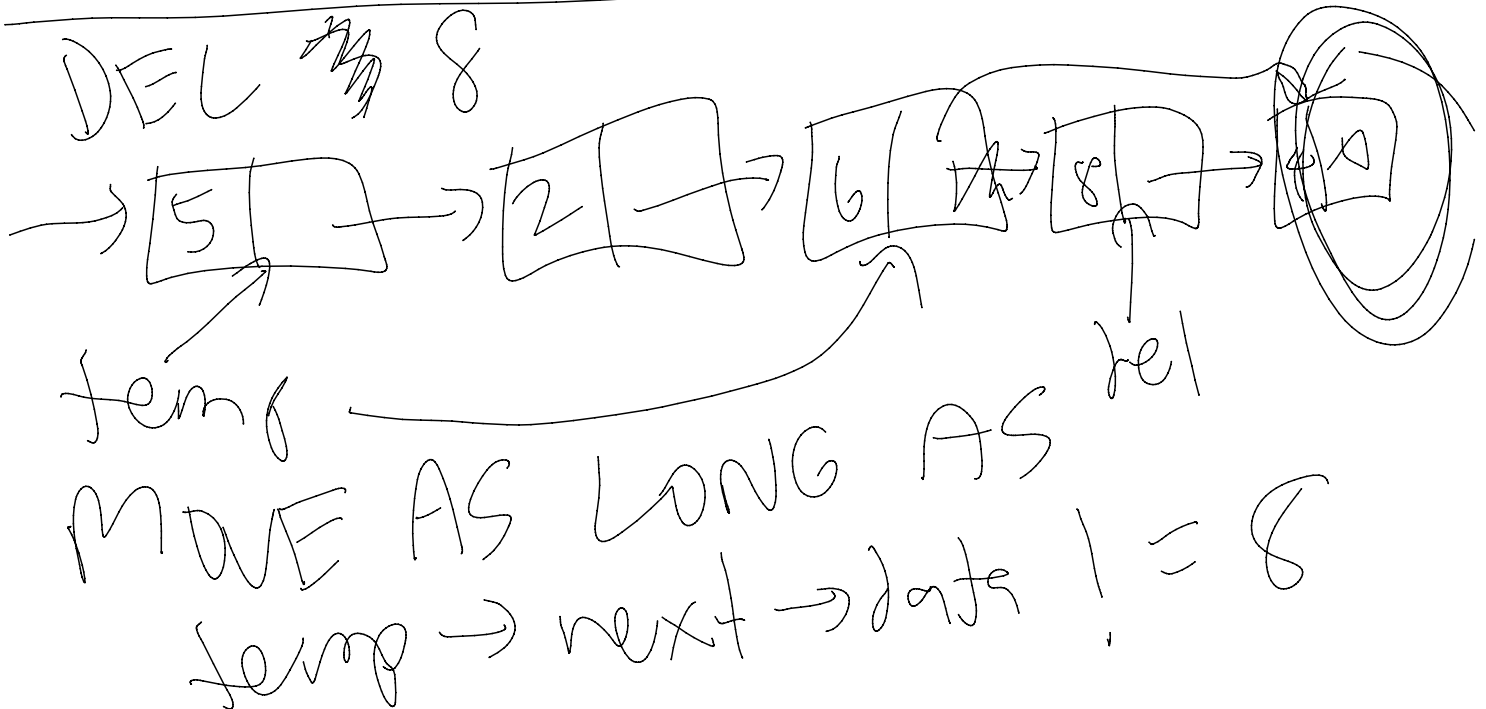
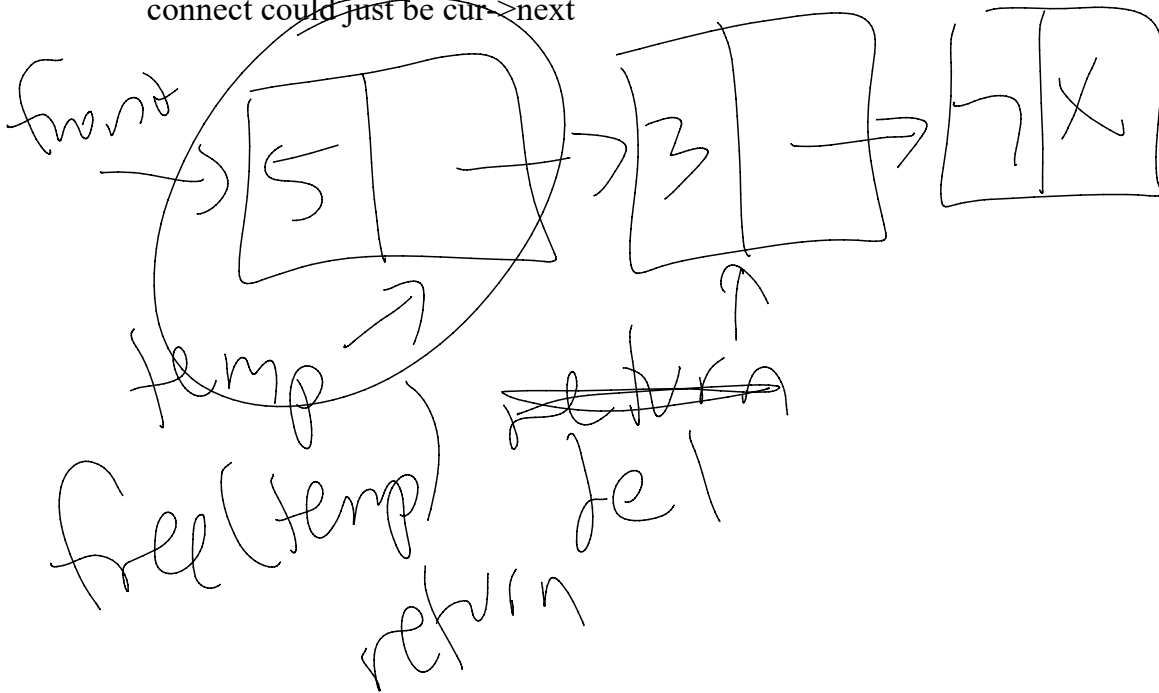


delete 5
delete 3
delete 7
delete 12 - never find
return some
code!

prev->next = connect;

free(cur)

connect could just be cur->next

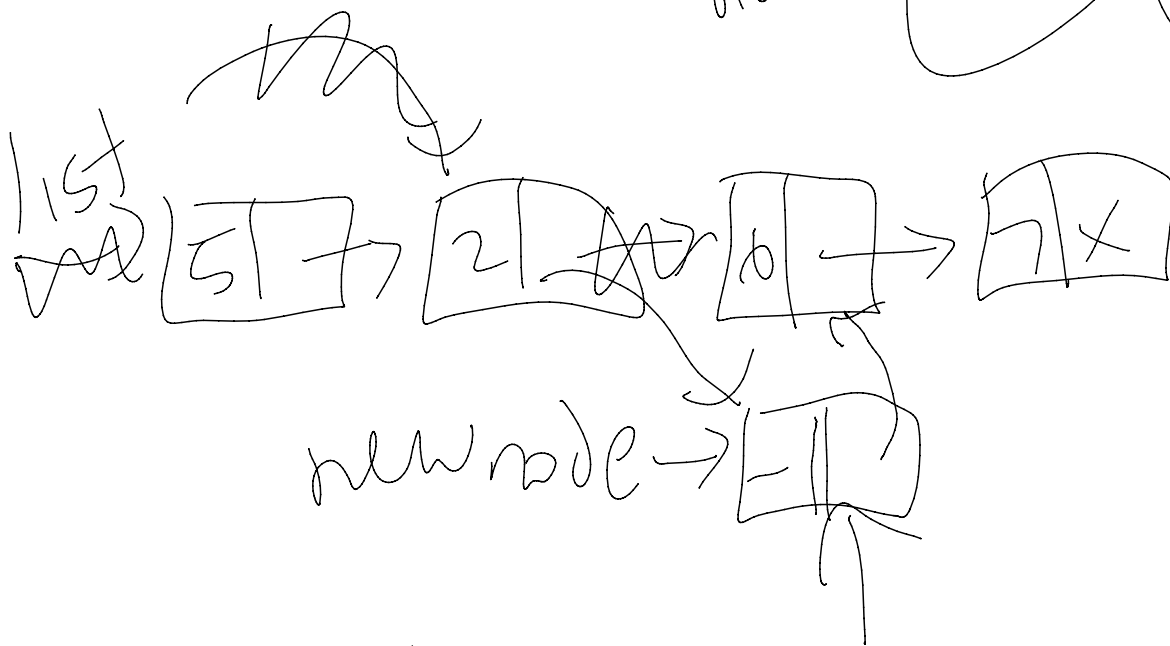
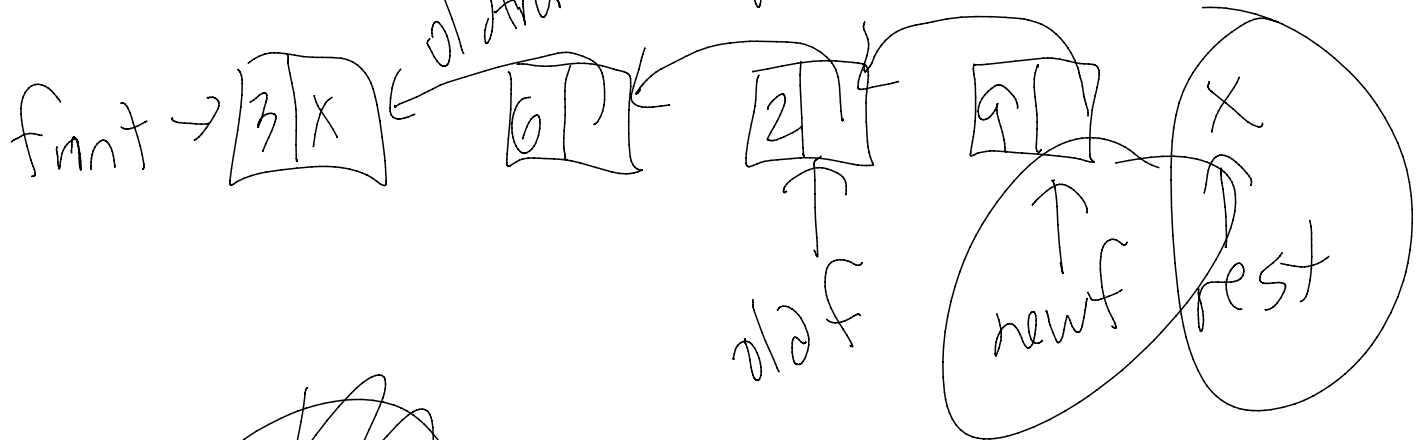
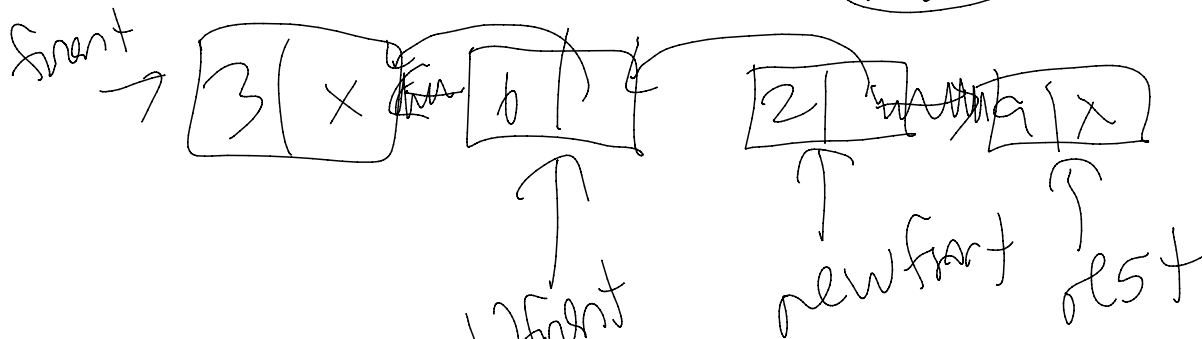
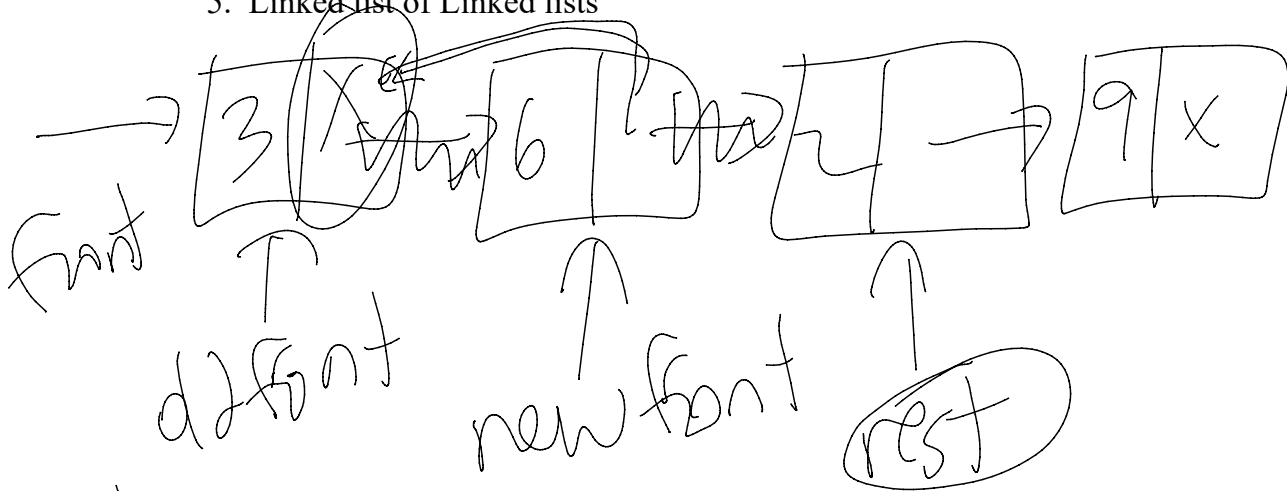


Rest of the Agenda

1. Linked List Delete (done)
2. More Linked List Functions
 - a. Reverse
 - b. Don't Modify the List
 - c. Do Modify the List
3. Linked List Variations (Circular)

4. Linked List Variation (Doubly Linked)

5. Linked list of Linked lists



11 11

11

11 346829216 11



? operator

$$x = \begin{cases} 0, & \text{if } y < 7 \\ 1, & \text{if } y \geq 7 \end{cases}$$

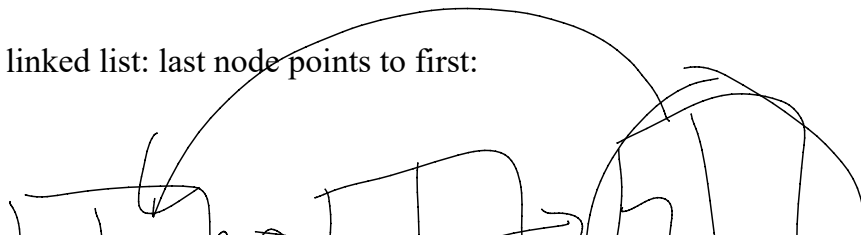
Long way to write this:

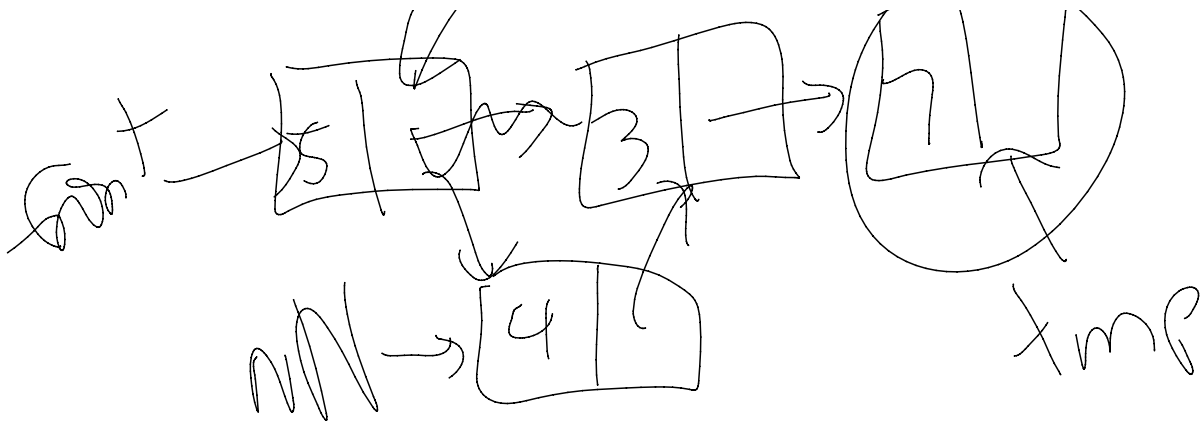
```
if (y < 7)
    x = 0;
else
    x = 1;
```

Short way:

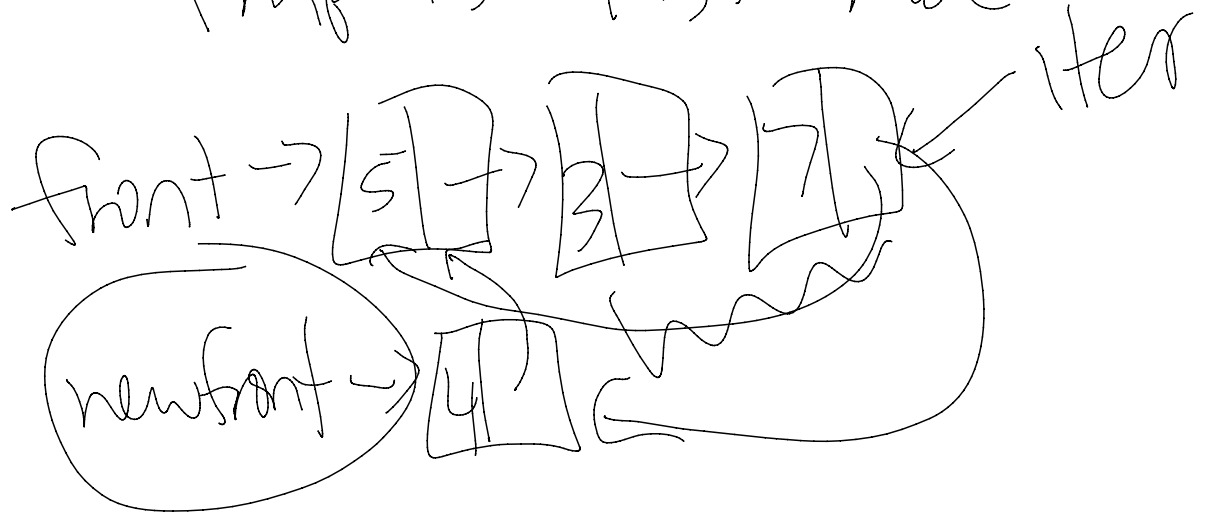
```
x = (y < 7) ? 0 : 1;
```

Circular linked list: last node points to first:

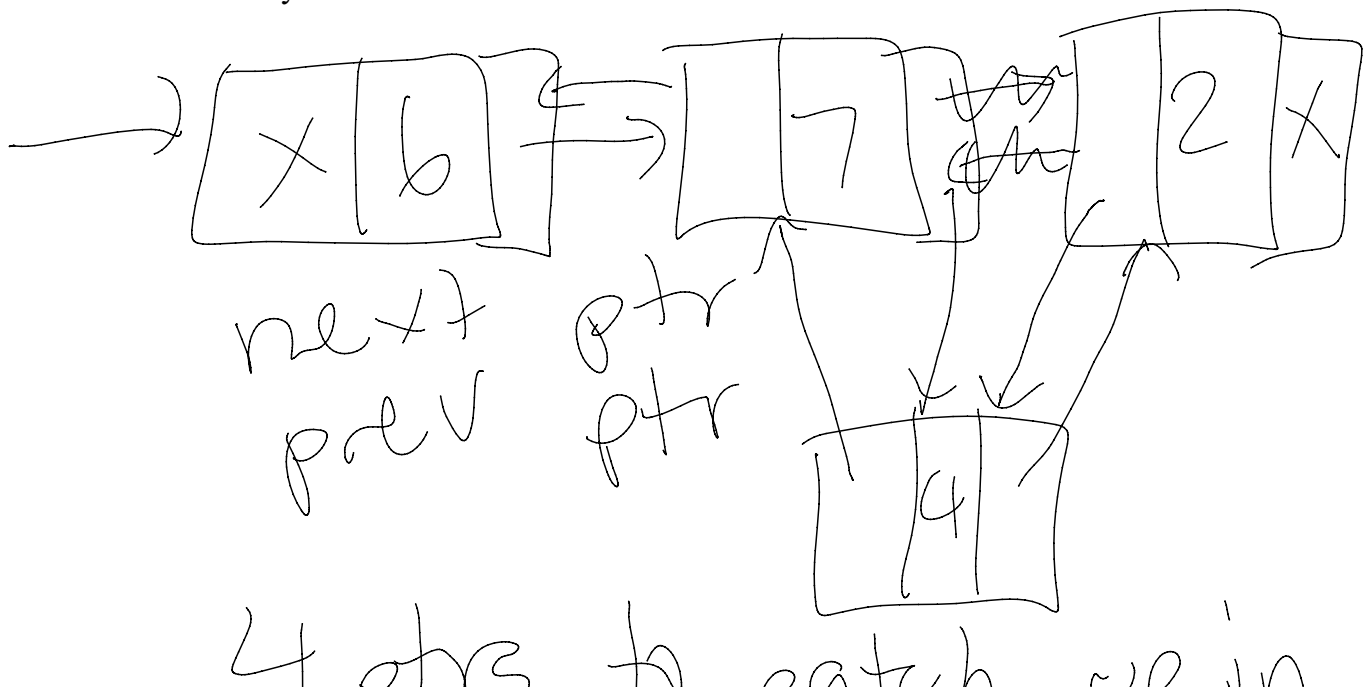




if $tmp \rightarrow next == front$
 tmp is last node



Doubly Linked List - Picture



4 ptrs to patch up in
a regular insert!

