## Day 19 (Mon 03/07)

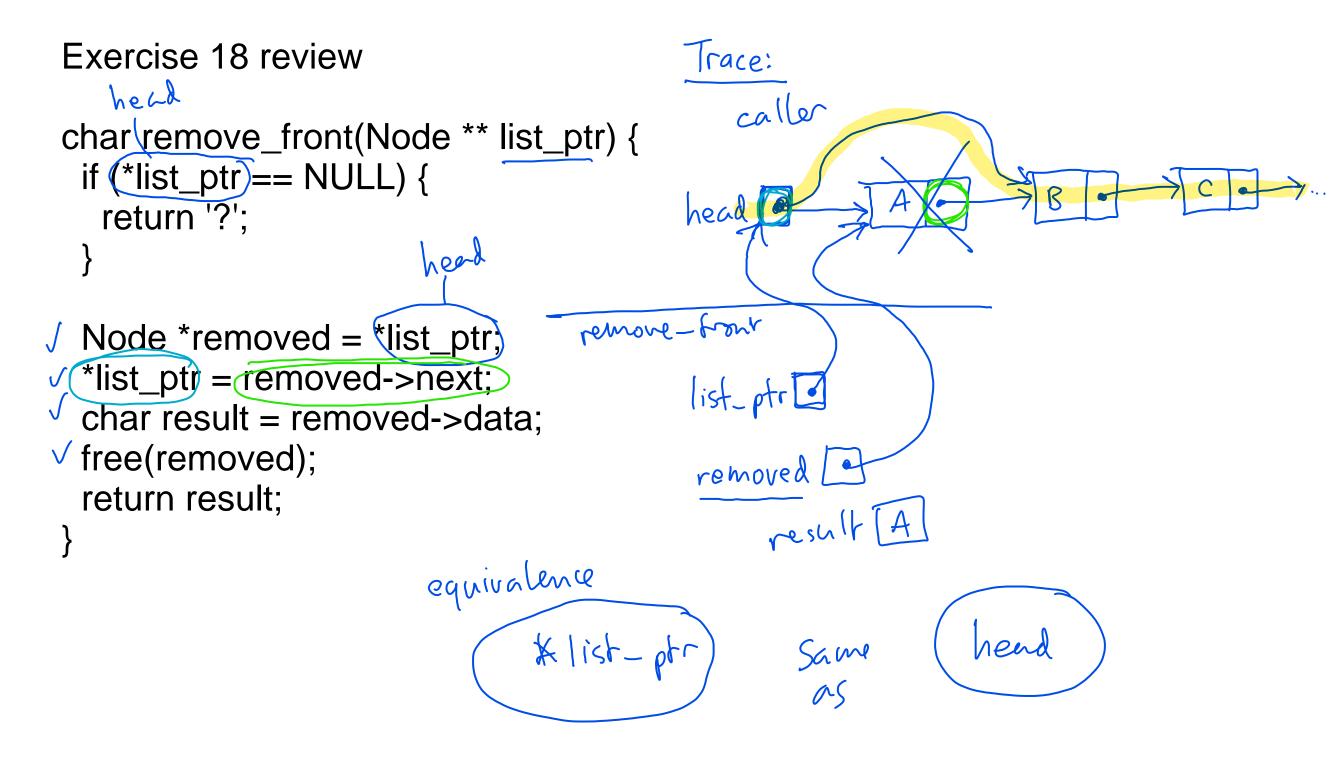
- exercise 18 review
- work on midterm project / exercises

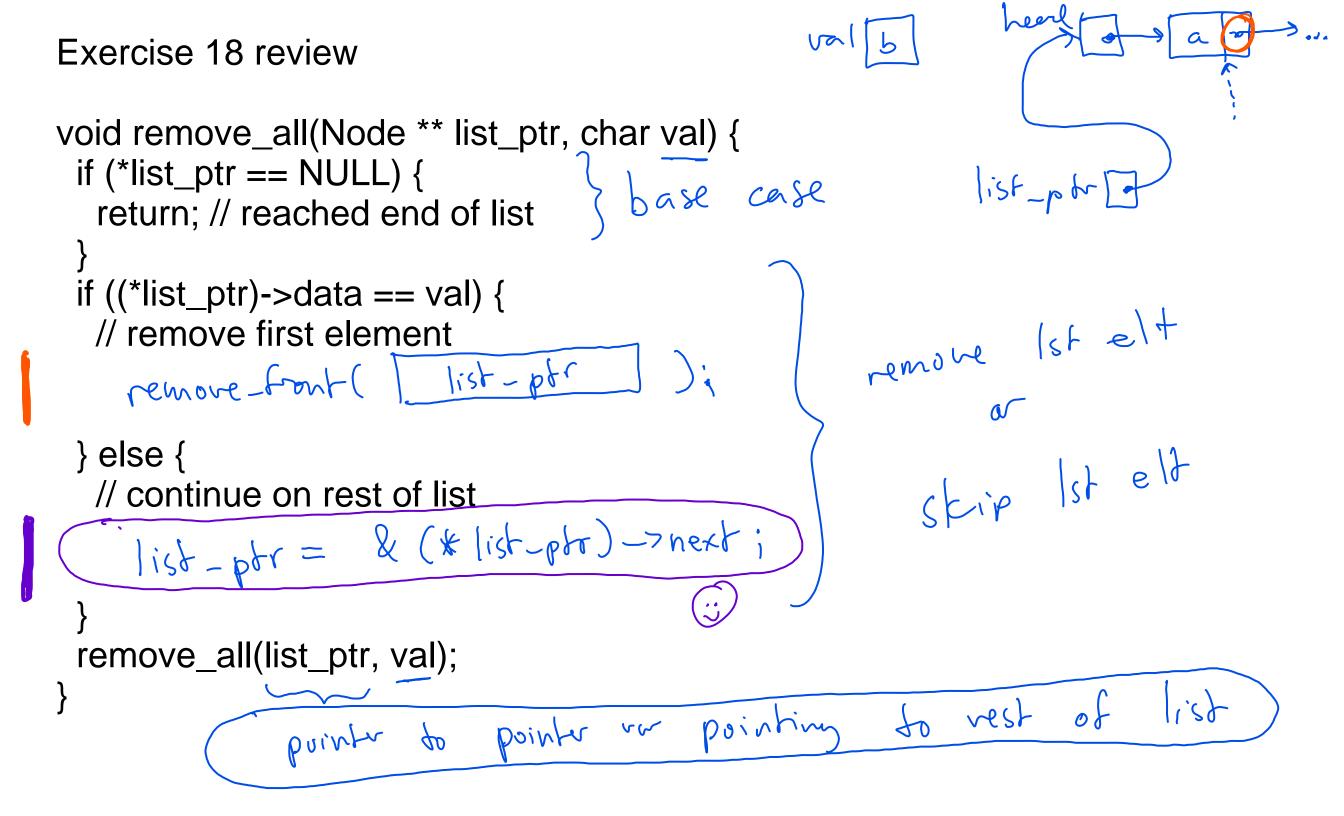
## - Midterm exam: in class Friday 03/11 - exercise - nownework - we recommend using lab PCs - we recommend using lab PCs - if you choose to use your own laptop, you accept the risk of hardware issues, network issues, etc. - Midter - Midter

## Announcements/reminders

- Last chance to register your midterm project team: by 11:59 pm this evening
  - If you are not registered as being on a team, we will assign you to a team
- Midterm project: due Friday 03/18 by 11pm
   Late submissions are not accepted

```
Exercise 18 review
                                       race:
 char remove_after(Node * node) {
  Node *removed = node->next;
  if (removed == NULL) {
   return '?';
                                              node
  node->next = removed->next;
                                               removed
char result = removed->data;
free(removed);
  return result; 'C
```





## Exercise 18 review

```
Node * insert(Node ** list_ptr, char val) {
 if (*list_ptr == NULL || val < (*list_ptr)->data) {
   add_front(list_ptr, val);
   return *list_ptr;
} base cases: empty list,
   or val is less than the
   value of the first node
  } else {
       return
insert(&(Flistsphr)-snext, val);
```

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