Wrap up

CSSE 221

Fundamentals of Software Development Honors

Rose-Hulman Institute of Technology

Announcements

- All C Projects due Friday 5:00 pm

- Final Exam Monday morning
  - 8:00 am-12:00 pm
  - O169

- I'll email you a LinkedList solution after Saturday 5:00 pm.

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LinkedList Hints

- Use your debugger!
- Say you are iterating through the list until you hit the tail node, looking for a value to delete.
- Don't use:

  ```
  while (curr->data != -1)
  ```
  - Why not?
- Instead, use:

  - ```
    while (curr != list->tail)
    ```
  - Why? What is this checking?
- And on recursion, you might need to check if curr->next == NULL

Exam Topics

Heavy emphasis:
1. Data structures
   1. Arrays, Lists, Stacks, Queues, Sets, and Maps
2. Sorting (3 methods) and searching (seq. and binary)
3. Big-oh efficiency
   1. loops
   2. data struct operations
   3. sorting and searching
   4. using sorted data
4. Recursion
5. C language
6. Linked Lists

Other things you should know. It's a comprehensive exam, so everything is fair game:
1. Unit testing
2. UML
3. Func. Objects/Comparators
4. Inheritance and polymorphism
5. Iterators
6. Threads and animation
7. GUIs
8. File I/O

Questions on Final Exam?

Can't sleep
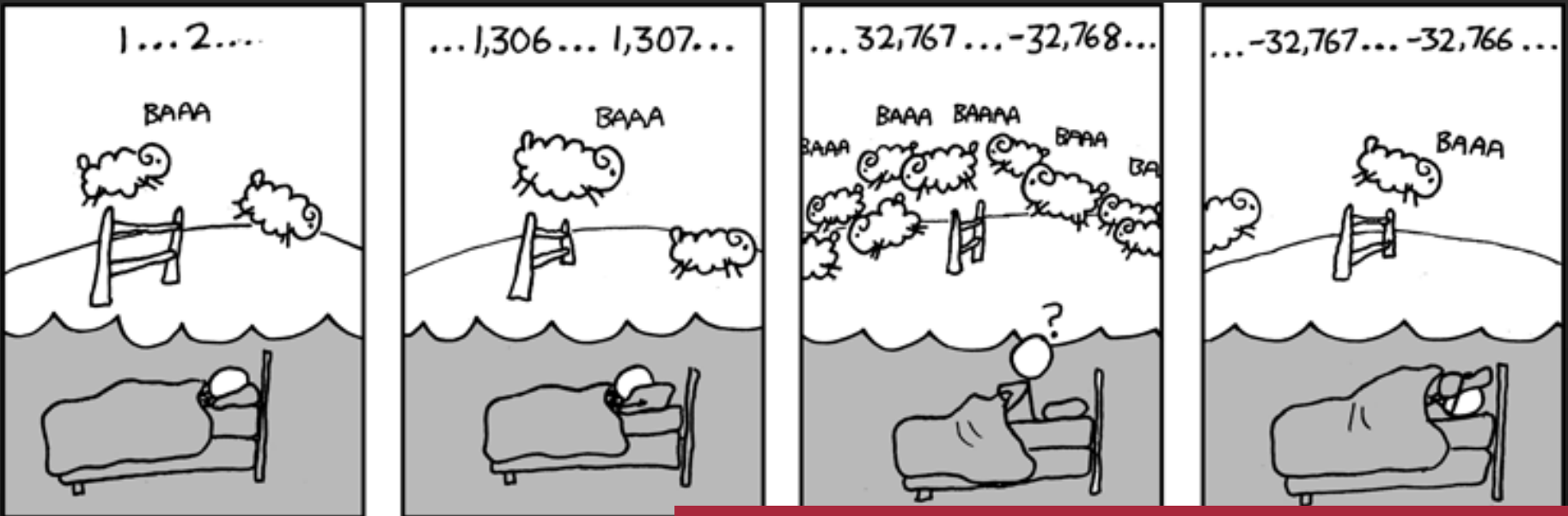
If androids someday DO dream of electric sheep, don't forget to declare sheepCount as a long int.

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