* ECS 60 Lecture Notes
* P1/P1 tips
  + While (inf >> command >> value) //works
  + While (!inf.eof()) //does not account for /n
* CursorList (LinkedList with pre-allocated ListNodes)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Find | Unfound | Insert | Remove |
| Unsorted Array | N | N | 1 end | 1 |
| Sorted Array | Log n | Log n | Log n + n = n | n |
| Unsorted LL | N | N (avg n) | 1 | N + 1 = N |
| Sorted LL | N | N (avg n/2) | N | N |

* CursorList:
  + Can only allocate space in blocks of 8 bytes
  + Even if I only want a char, it gives 8 bytes.
  + How to keep track of how big a certain allocated object is?
    - \_ \_ \_ \_ ‘c’ \_ \_ first 4 bytes used for size of allocation, then data.
    - Cout << ((int x) ptr) [-1]
    - Sizeof is done at compiletime. When it is passed, it cannot be done with just the pointer.
* Discussion Section
  + Chris Buckley
    - OH:53 Kemper Discussions
    - M 5-7 pm M 3:10-4pm Wellman
    - W 210-3pm Wellman