

Searching

1. Linear Search

- a. Iterate through values until the target
- b. Runtime: $O(n)$
 - 1. Worst case is that all values are checked
 - 2. Slow, but is the best that can be done with an unsorted array

2. Binary Search

- a. Requires array to be sorted
- b. Runtime: $O(\log(n))$
 - 1. Worst case is that $\log(n)$ values are checked