# Algorithms

# Searching algorithms

## Linear search

This is the simplest technique for searching and the most obvious one as well. Time complexity of the algorithm is O(n), this means that our algorithm will take *n* operations to get the result. It goes like this:

1. Start from the left most element of the array. Compare each element with the key that we are searching for.
2. If the element matches the key. Return true/index if the element.
3. Else return false/-1.



## Binary search