## Algorithm:

### Steps:

1. Choose the highest index value has pivot.
2. Take two variables to point left and right of the list excluding pivot.
3. left points to low index
4. right points to the high
5. while value at left is less than pivot move right.
6. while value at right is greater than pivot move left
7. if both step 5 and step 6 does not match swap left and right
8. if left > right the point where they met is new pivot

### Quick sort

1. Make the right most index value pivot.
2. Partition the array using pivot value.
3. quicksort left partition recursively.
4. quicksort right partition recursively.