



Python

```
1 def quicksort(arr):
2     if len(arr) <= 1:
3         return arr
4     pivot = arr[len(arr) // 2]
5     left = [x for x in arr if x < pivot]
6     middle = [x for x in arr if x == pivot]
7     right = [x for x in arr if x > pivot]
8     return quicksort(left) + middle + quicksort(right)
```