

Quicksort

Python

```
# python3

def quicksort(array):
    less = []
    greater = []

    if len(array) < 2:
        return array # base case
    else:
        pivot = array[0] # pick a pivot
        for i in array[1:]:
            if i <= pivot:
                less.append(i)
            else:
                greater.append(i)

        return quicksort(less) + [pivot] + quicksort(greater)

list = [10, 5, 20, 13, 99, 24, 80, 30, 35, 80, 85, 86, 87, 100]

print(quicksort(list))
```

Ruby

```
# encoding: UTF-8

def quicksort(array)
    less = []
    greater = []

    if array.length < 2
        return array
    else
        pivot = array[0]

        array[1..-1].each do |i|
            if i <= pivot
                less << i
            else
                greater << i
            end
        end

        return quicksort(less) + [pivot] + quicksort(greater)
    end
end

list = [10, 5, 20, 13, 99, 24, 80, 30, 35, 80, 85, 86, 87, 100]

print quicksort(list)
```