Our Solution(s)   Run Code

Solution 1

```python
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# Best: O(nlog(n)) time | O(log(n)) space
# Average: O(nlog(n)) time | O(log(n)) space
# Worst: O(n^2) time | O(log(n)) space
def quickSort(array):
    quickSortHelper(array, 0, len(array) - 1)
    return array


def quickSortHelper(array, startIdx, endIdx):
    if startIdx >= endIdx:
        return
    pivotIdx = startIdx
    leftIdx = startIdx + 1
    rightIdx = endIdx
    while rightIdx >= leftIdx:
        if array[leftIdx] > array[pivotIdx] and array[rightIdx] < arra
            swap(leftIdx, rightIdx, array)
        if array[leftIdx] <= array[pivotIdx]:
            leftIdx += 1
        if array[rightIdx] >= array[pivotIdx]:
            rightIdx -= 1
    swap(pivotIdx, rightIdx, array)
    leftSubarrayIsSmaller = rightIdx - 1 - startIdx < endIdx - (rightI
    if leftSubarrayIsSmaller:
        quickSortHelper(array, startIdx, rightIdx - 1)
        quickSortHelper(array, rightIdx + 1, endIdx)
    else:
        quickSortHelper(array, rightIdx + 1, endIdx)
        quickSortHelper(array, startIdx, rightIdx - 1)
```

Your Solutions   Run Code

Solution 1   Solution 2   Solution 3

```python
def quickSort(array):
    # Write your code here.
    pass
```

Our Tests

Custom Output   Submit Code

Run or submit code when you're ready.