Quick Sort

Step 1: Choose a pivot

| 9 | 20 | 6 | 10 | 14 | 8 | 60 | 11 |
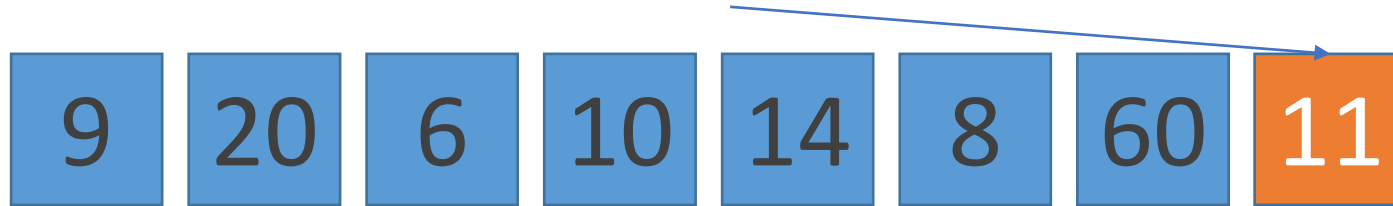
Step 2: Find leftmost larger than pivot item

Pivot

| 9 | 20 | 6 | 10 | 14 | 8 | 60 | 11 |
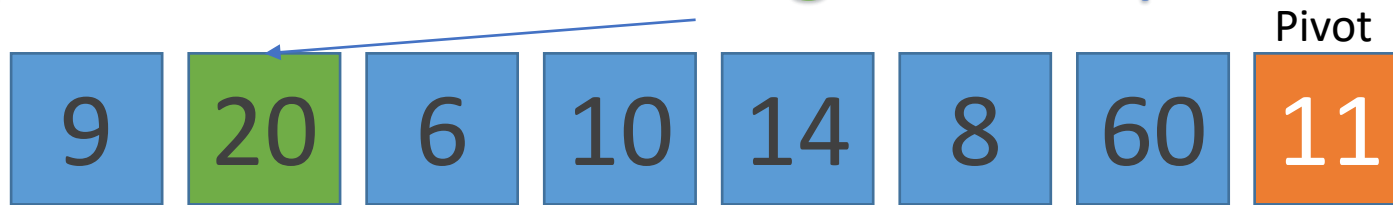
Step 3: Find rightmost smaller than pivot item
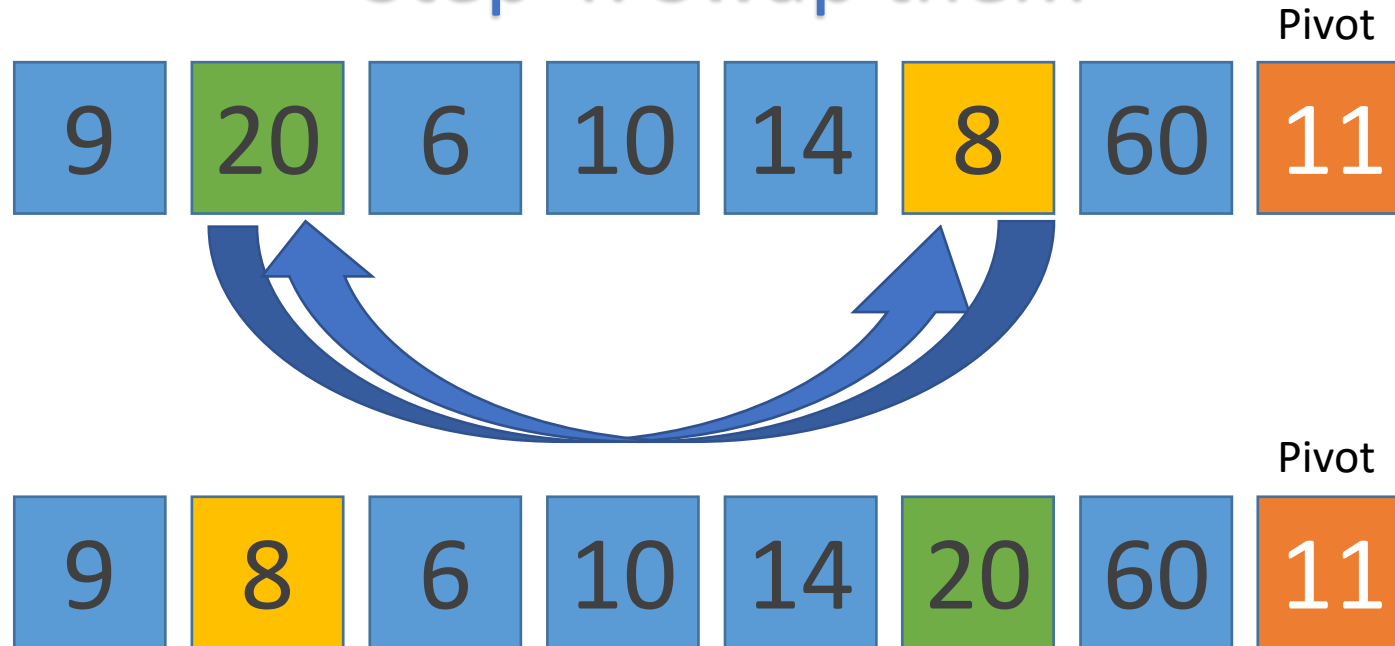
Pivot

| 9 | 20 | 6 | 10 | 14 | 8 | 60 | 11 |
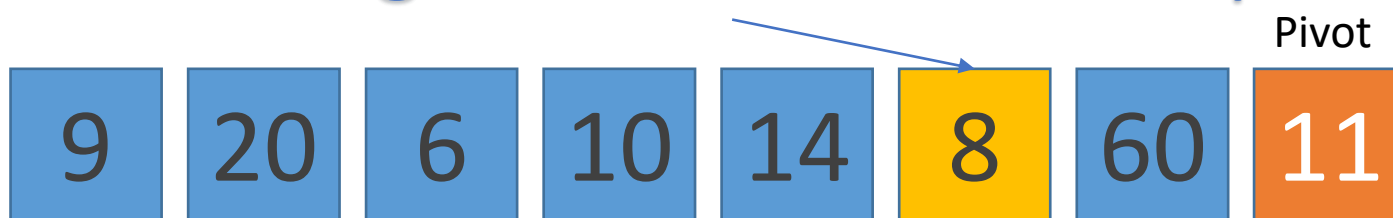
Step 4: Swap them

Step 5: Repeat

			< pivot	> pivot			Pivot
9	8	6	10	14	20	60	11
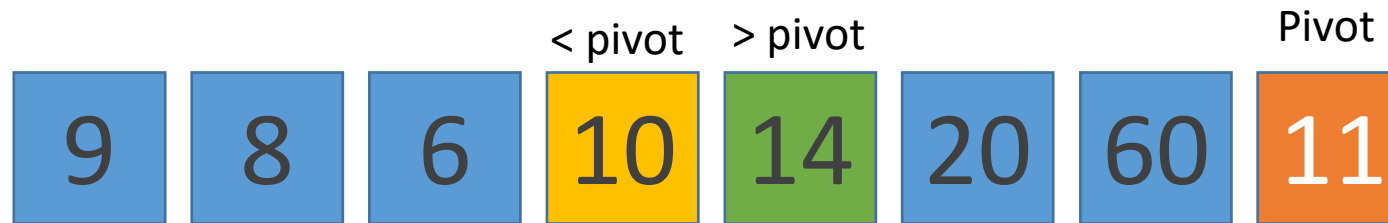
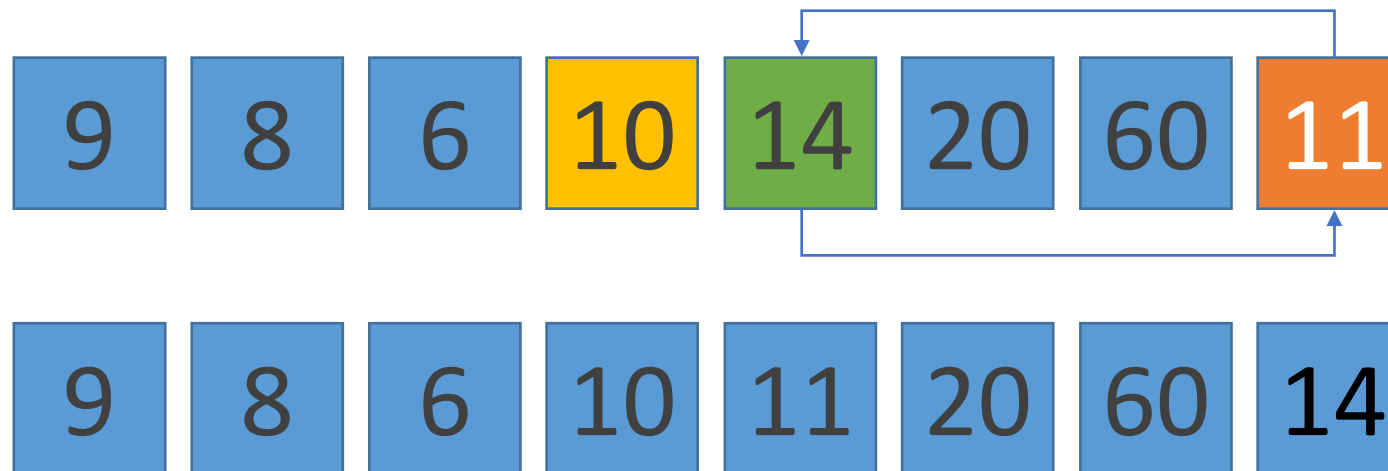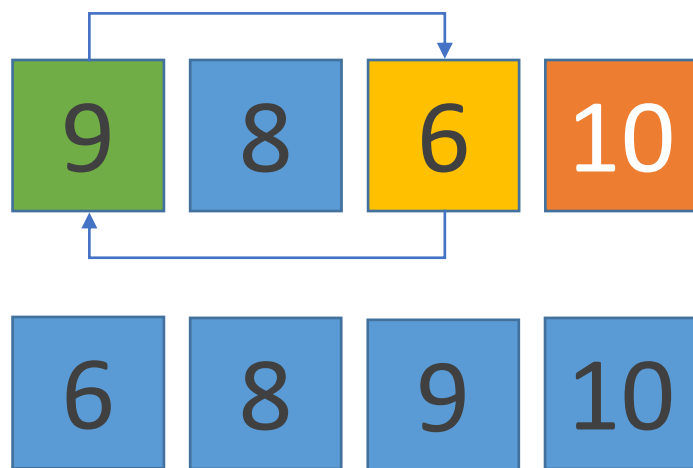We see that the index of the leftmost higher than pivot number is higher than the index of the rightmost higher than pivot number. We stop.

Step 6: We swap leftmost higher-than-pivot number with the pivot

9	8	6	10	14	20	60	11

9	8	6	10	11	20	60	14

Recursively repeat these steps on all sub arrays

The larger than pivot element is swapped with the pivot.

9 8 6 10

6 8 9 10

6 8   9 10

SORTED!

11 20 60 14

11 20 14 60

11 20 14 60

11 14 20 60

11 14   20 60