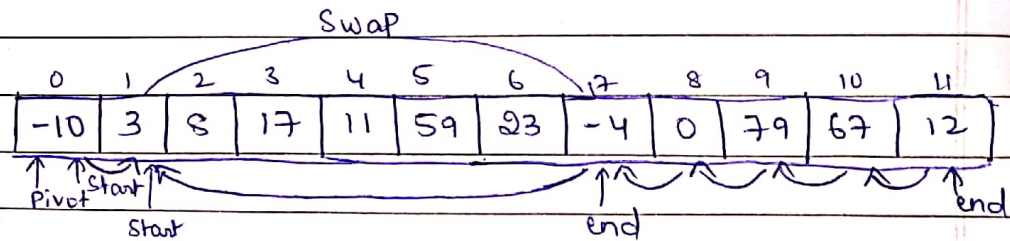


Assignment

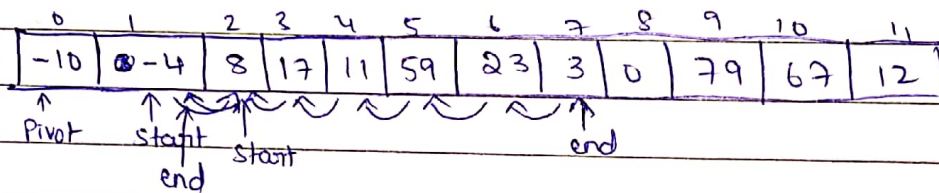
Quicksort

① -10, 3, 8, 17, 11, 59, 23, -4, 0, 79, 67, 12

Pivot = -10.

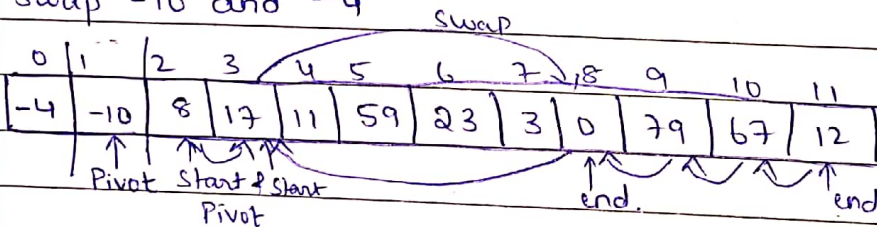


(i) Swap 3 and -4

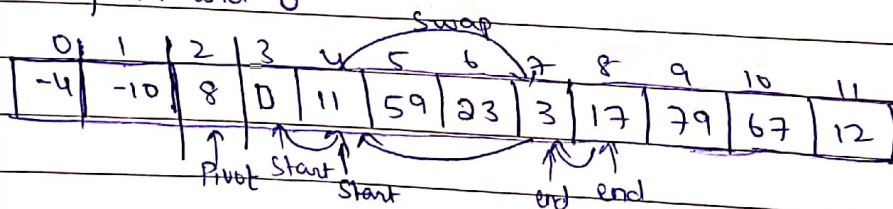


No Swapping because start is crossed end element.
Swap end element with Pivot element

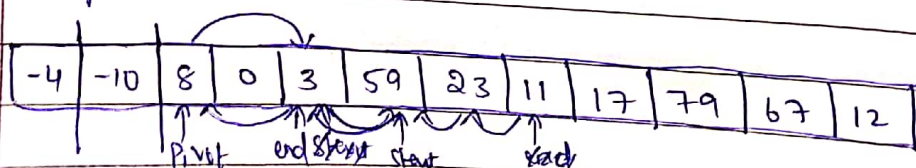
(ii) Swap -10 and -4



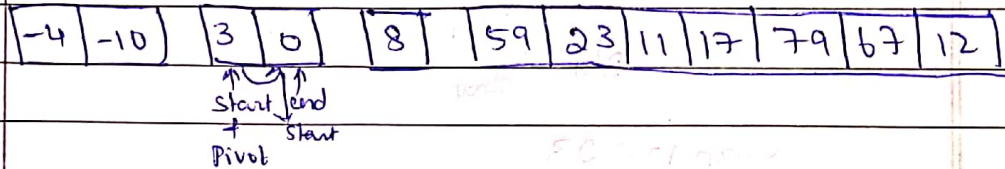
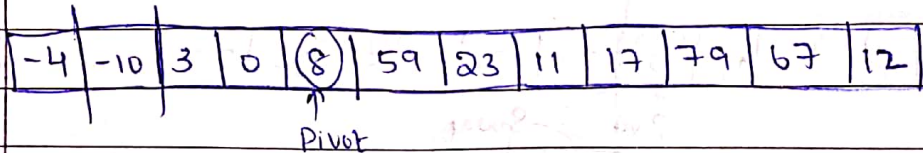
Swap 17 and 0



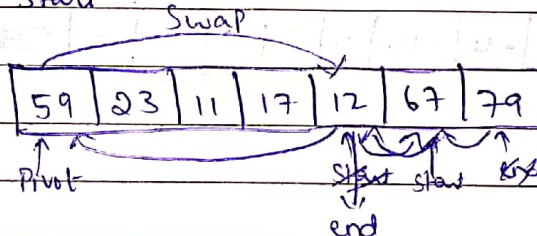
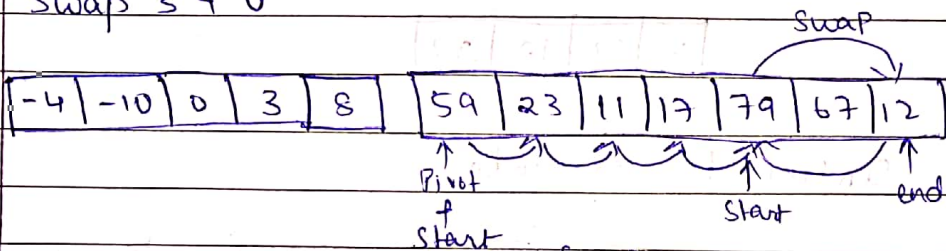
Swap 3 and 11



No Swap bcoz start is crossed end element
Swap end element with pivot element

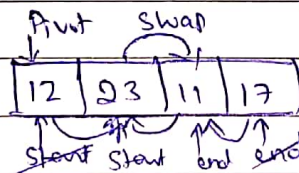
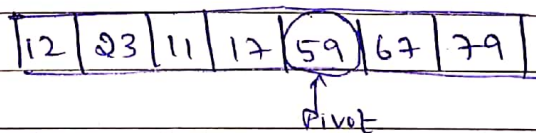


Swap 3 & 0

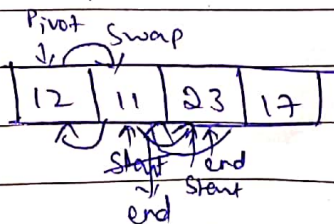


No swap since start crossed end.

Swap Pivot with end element

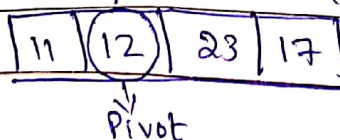


Swap 23 & 11



No swap since start crossed end.

Swap with Pivot & end.



-4	-10	0	3	8	11	12	23	17	59	67	79
----	-----	---	---	---	----	----	----	----	----	----	----

Pivot

Swap

23	17
----	----

Pivot

Start

End

Start

Swap 17 & 23

11	12	17	23
----	----	----	----

Combine the elements,

Sorted
array

-4	-10	0	3	8	11	12	17	23	59	67	79
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