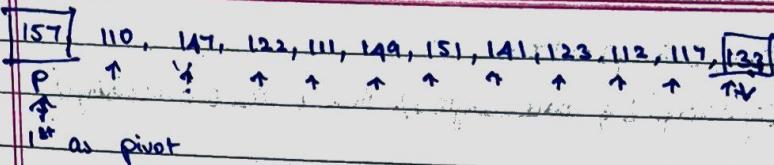


1^{st} as Pivot element



1. ~~133, 110, 147, 122, 111, 149, 151, 141, 123, 112, 117~~ ~~157~~

2. ~~133, 110, 117, 122, 111, 149, 151, 141, 123, 112, 147~~ ~~157~~

3. ~~133, 110, 117, 122, 111, 112, 151, 141, 123, 149, 147~~ ~~157~~

4. ~~133, 110, 117, 122, 111, 112, 123, 141, 151, 149, 147~~ ~~157~~

5. ~~133~~ ~~157~~

6. ~~123, 110, 117, 122, 111, 112, 141, 131, 147, 149, 151~~
~~112, 110, 117, 122, 111, 123~~ ~~111~~ ~~157~~

7. ~~112, 110, 117, 122, 111, 141, 147, 149, 151~~ sorted

8. ~~112, 110, 117, 122, 111, 141, 147, 149, 151~~ final sorted array
~~110, 111, 112, 122, 117, 123, 133, 141, 147, 149, 151~~

9. ~~111, 110, 112, 122, 117~~

10. ~~111, 110~~ ~~122, 117~~

last as pivot:-

1. 157, 110, 117, 122, 111, 149, 151, 141, 123, 112, 117, 133
2. 117, 110, 112, 122, 111, 149, 151, 141, 123, 112, 157, 133
3. 117, 110, 112, 122, 111, 149, 151, 141, 123, 112, 147, 157, 133
4. 117, 110, 112, 122, 111, 149, 151, 141, 147, 157, 133

5. 117, 110, 112, 122, 111, 133, 141, 149, 147, 157, 151
6. 117, 110, 112, 122, 111, 133, 141, 149, 147, 157, 151

7. 117, 110, 112, 122, 111, 133, 141, 149, 147, 157, 151 (sorted)

8. 110, 112, 117, 122, 111, 133, 141, 149, 147, 157, 151

9. 110, 117, 112, 122, 111, 133, 141, 149 (sorted), 157, 151

10. 117, 122

Random Element As Pivot.

1. 157, 110, 147, 122, 111, 149, 151, 141, 123, 112, 117, 133

2. 117, 110, 147, 122, 111, 149, 151, 141, 123, 112, 157, 133

3. 117, 110, 142, 122, 111, 149, 151, 141, 123, 147, 157, 133

4. 117, 110, 112, 122, 111, 122, 151, 141, 149, 147, 157, 133

5. 117, 110, 112, 122, 111

151, 141, 149, 147, 157, 133

6. 111, 110, 112, 122, 117

133, 141, 149, 147, 157, 151

7. 111, 110 (sorted) 112, 117

133, 141, 147, 149, 157, 151

8. 117, 122 (sorted)

133, 141,

(sorted)
149, 151, 157

Final Sorted Array.

110, 111, 112, 117, 122, 123, 133, 141, 147, 149, 151, 157

Choosing last or 1st element as pivot is not much efficient.