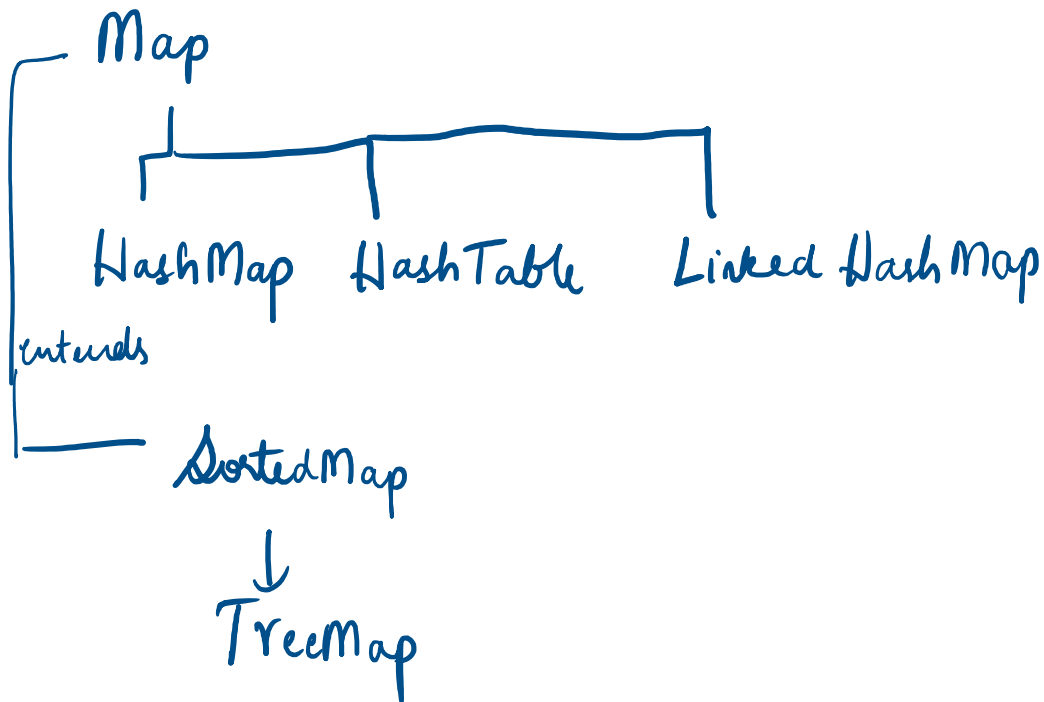


Linkedhashmap TreeMap

14 October 2024

20:56

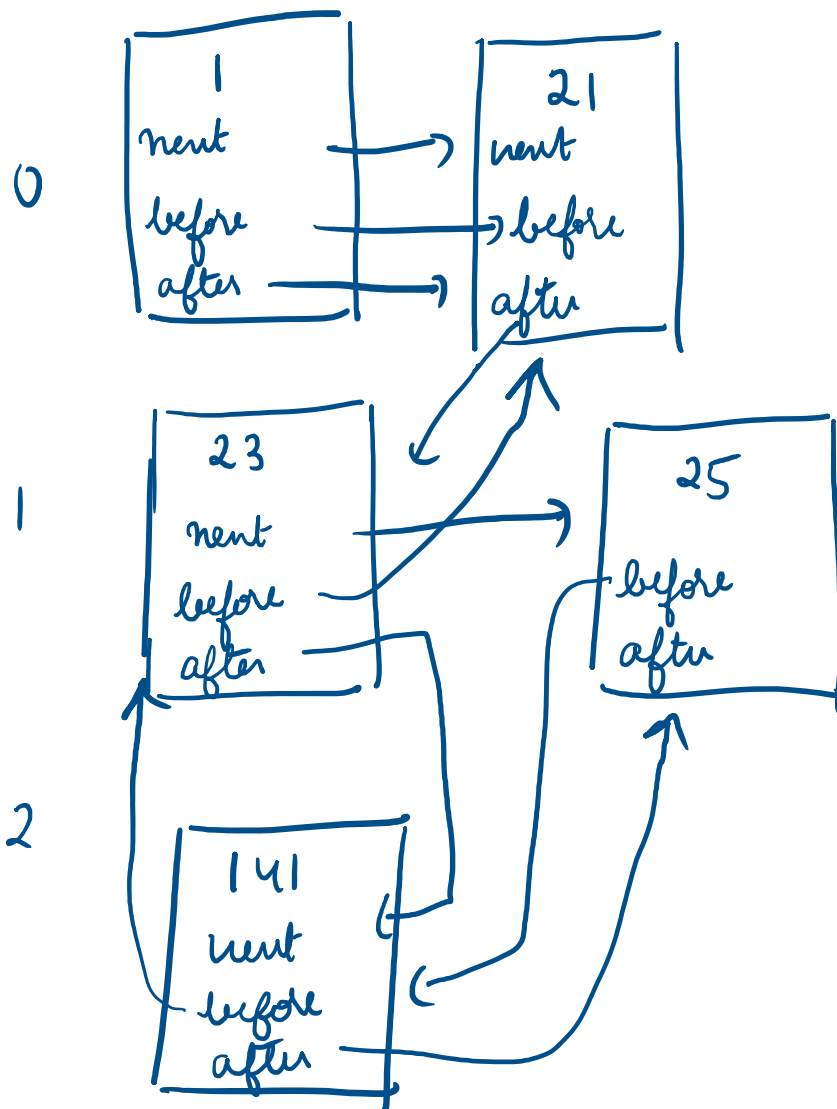


① Linked H'map

Maintains Insertion/Access order

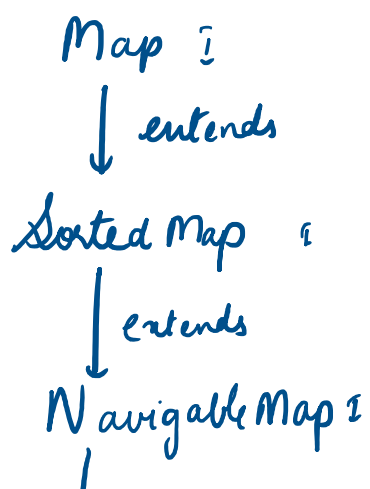
It uses Double LL.

Eg:-
map.put (1, "A");
map.put (21, "B");
map.put (23, "C");
map.put (141, "D");
map.put (25, "E");



Access Order \Rightarrow

Tree Map



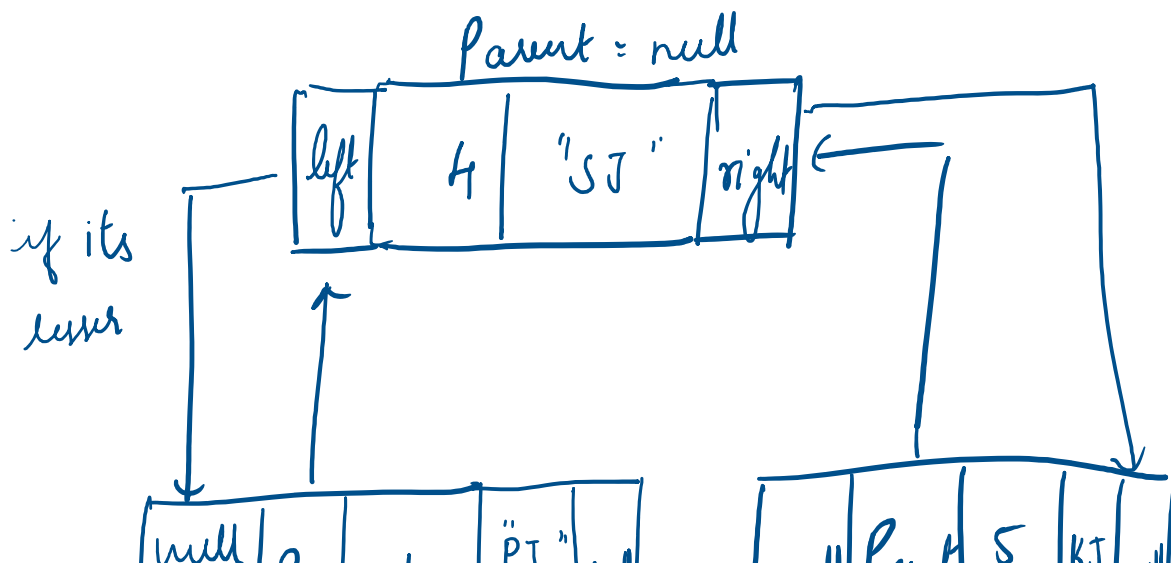
NavigableMap
↓ extends
TreeMap → concrete class

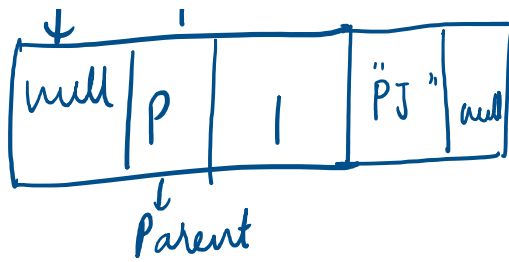
Map is sorted according to its natural ordering

It's based on Red Black Tree
↓
self balancing BST

Eg:
4, "ST"
1, "PT"
5, "KT"

Natural order is ascending.





$$O(\log N)$$

Methods available in SortedMap

HeadMap

Tail Map

5
11 } → HeadMap

13

21 } → Tail Map

Methods in NavigableMap

lower Entry

lower Entry
lower Key