J SORTING [1 Class]

I more classes on Sorting in Adv Batu]

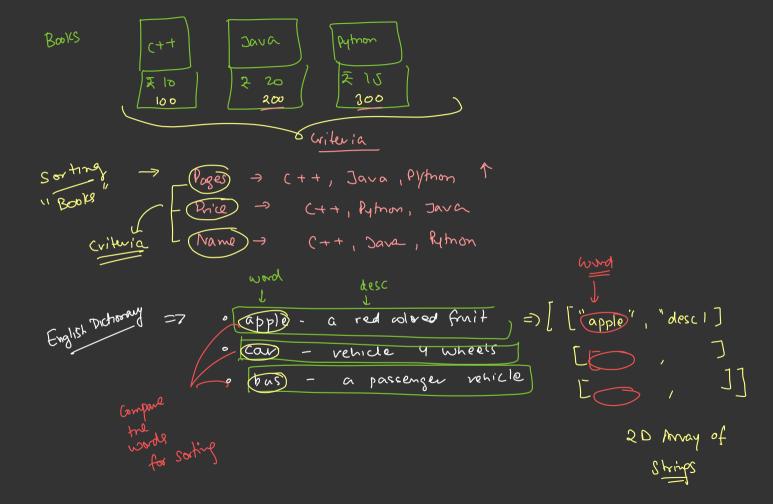
Arranging data in a particular order

· English Dictionary

· ROIL NO

- Contact List in Phone
- o Books in hbrary
- · Google web Pages

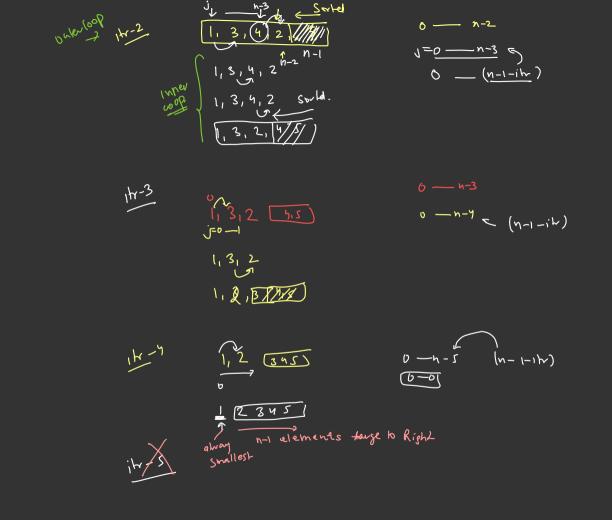
Lanked by Relevance (to search avery)

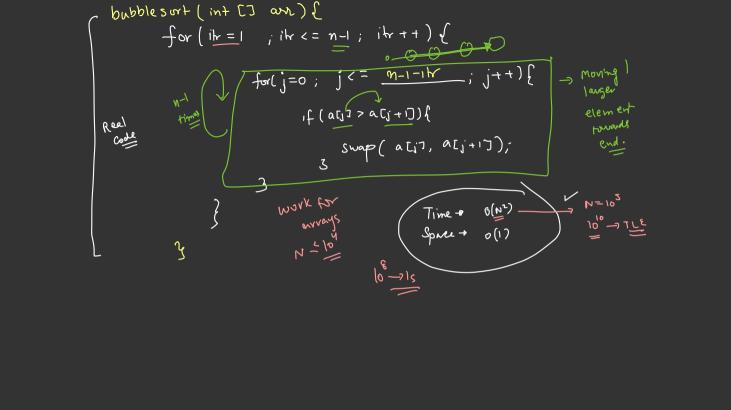


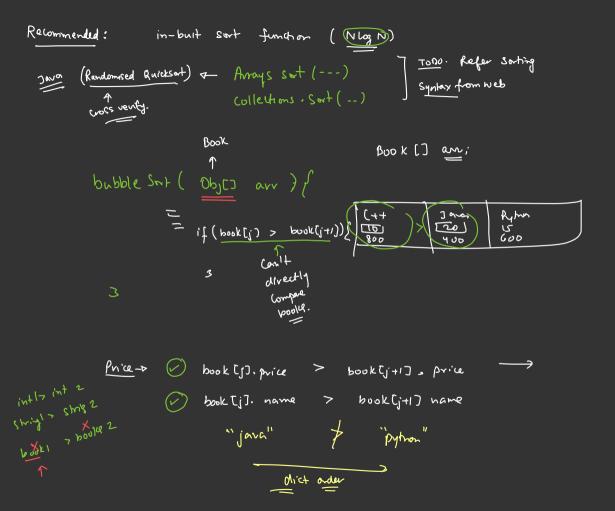
Reels Instagram ⇒ Ø UKed on that # song ⇒ Ø on that timestamp → UKed 3 days, Ø UKes Make My Tup - Early Flights. -> Cheaper Fights low-high → Dwahin 3 hrs Preference

Amazon -> Surt A-Z Price on Mobiles. Bubble Sort 4 large Bubbles 5 Unsorted In each it it moves the larger element to tre end of away by Compoury & smoopping two Consecutive elements. for (j=0 ____ n-2) 1 + (a(j) > a(j+1)) { Swap (a[j], a[j+1]);} j++ ir = j=0-0-2 n-1-12

ynove to







for cutum object, we need to define criteria for storting"

Brucksorte Books

pring your code here

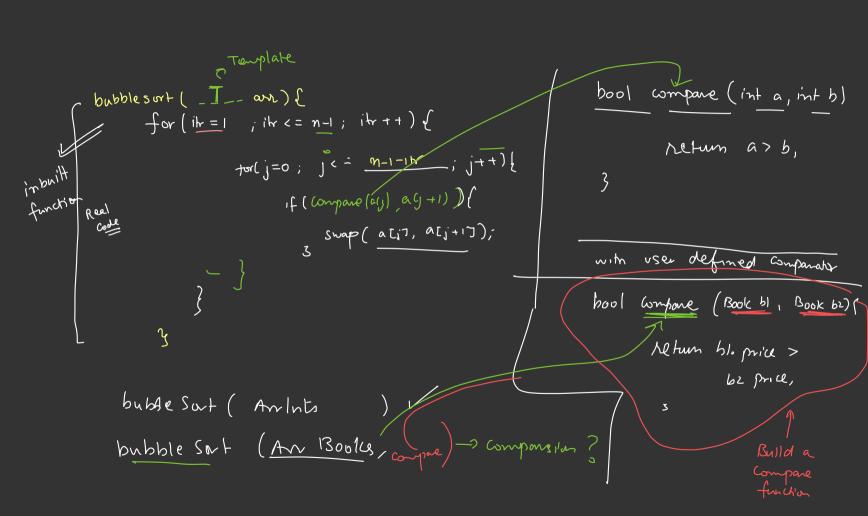
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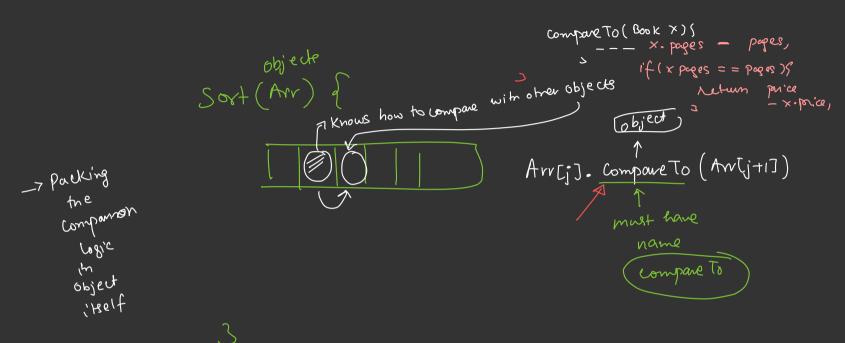
Sort (

if ali) 7 all) s

fail for Books



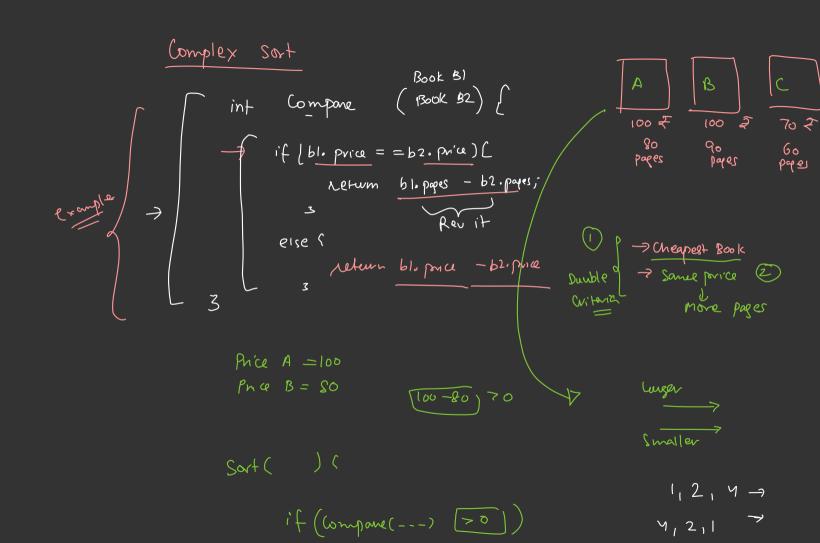
int price Shig name (____) $\begin{bmatrix} 70 \\ ==0 \\ <0 \end{bmatrix} \leftarrow Compare To$ 7 Compare to (Book x) (return Porice - X. price, د Book a a. congare To (b) Book 5



-> You can supply

he sorting comparison

logic



Pack "Compare" inside object for Books implementing "Compare To" method inside Book class Build a "Compare for outside object 0.30 10 Mizs Books 10.40 Dook ~ How to compane Books Compare) fn' defined

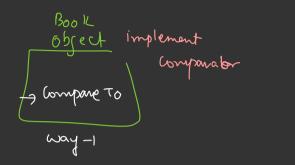
Swap

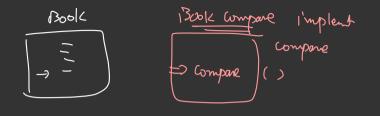
In terface list of metrods which are empty [Contract] Govt Contract {
fire Safety() { = ??? implements Contract?

Fire Cafety () (

= / Put Sextiques Less. Builder

3





Bubble sort Behaviour maintain the relative ordering of same keys Charge the order in way. - Unstable Sort = QuidSort (1,4) Base your Same relative $(1_{1}2)$ (1,2) (1,4) (1,2)

$$\frac{x}{p_1} = \frac{x_1}{p_2}$$

$$\frac{(1, y)}{p_1}$$

$$\frac{(1, y)}{p_2}$$

$$\frac{(1, y)}{p_$$

return pl-y - p2.x, Compare y if

Ale C

Neturn pl-y - p2.x, Reguel

Return pl-x - p2.x, Resuper on X.

Static for obj Static data (variables (heap)

L for data which shared chared object chares some days.

Stack

Meep Dire + OOPS