## Segment Tree Concepts & Qns...



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"No more Jean of Segment Tree"
"When you'll realise the benefits of being

consistent. you'll be scared to miss even a single day"

video - 7

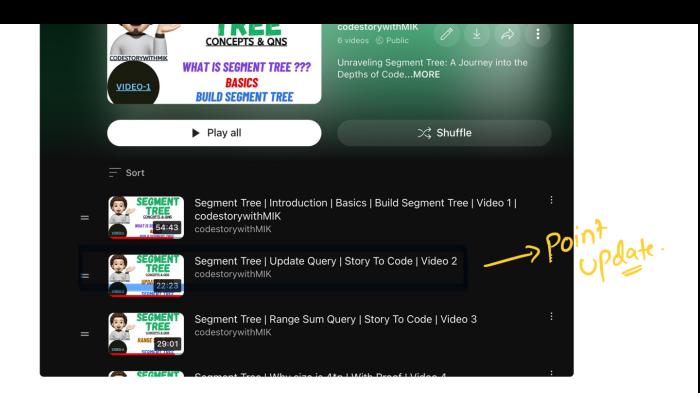
Recap :

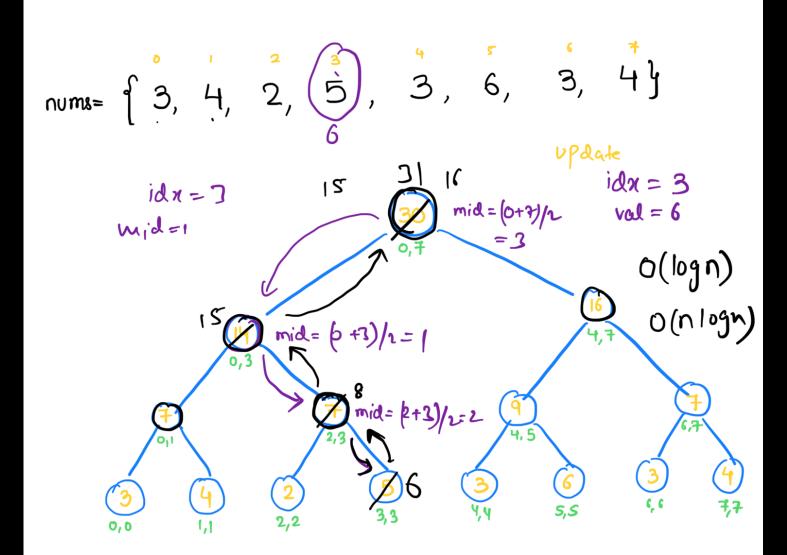
- We understood about segment Tree? What? Why? When?
- buildSegmentTree <
- Example Range Sum in an average -
- UP date Juvy ( update point) lu)
- Range Quoy -
- why take 4\*n size avoray -
- On Avery Sum II. Range Minimum Query.

## Range Update (LAZY PROPAGATION)

Video - 2 → update Query...







Gropogation.

## Range

## Update

ophimaley

 $add \rightarrow +2$ nums [stoct : end] <sub>1</sub> 3, Stout = 3 End = 7 val = +1 1 10 O

Void updateRauge (int start, int end, int i, int 1, int 1, int 3, int val, 1971, lay) (  $\frac{1}{4} \left( \left[ azy \left[ i \right] \right] = 0 \right)$ 

```
lozy[2i*1] += lazy[i]; //left
     lazy(2xi+2) += lazy[i]; //right
    1034 (i) = 0;
//out of range
                l > end \mid l > r) f
retun;
 i) ( start < = 1 && end >= r) {
      segTxu[i] + = (r-1+1) * val;
       \iint \left( x = i \right) 
          lazy(2i+1) + = val; //left
         lazy(2i+2) += vel; // //
       netun;
```