"श्री कृष्ण गोर्विंद हरे मुरारी, हे नाथ नारायण वासुदेवा" Binary Tree. **Data Structure and Algorithm** By Malay Tripathi * FIND MINIMUM IN JUTATED SORTED ARRAY, [UNIQUE]. [0124567] (Ideally Sorted Array Like to be this: > arrel] = [4567012] So, minimum is 04, in this we have to operway values. Brute Force. Step 1:- always eliminated either left hand side or right hand side of the array. Step 2: Identify the sorted half. arreg=[4567]012] -> right handside is not sorted. 7 < 2 (ideally value at mid Ghould be -> Because of relation -> Right half is not sorted. -> ONE THING WE CAN SAY THAT, THE VALUE FROM WHICH VALUE IS ROTATED IS ALWAYS THE MINIMUM VALUE. - We can say sorted half may or may not have an snower. ans=INT-MIN 40 anc]=[4567 012] left half is sorted. -

"श्री कृष्ण गोविंद हरे मुरारी, हे नाथ नारायण वासुदेवा"

Data Structure and Algorithm

By

Malay Tripathi

reat week my with six

so, left half is sorted,

am = INT-MAX

right hand is Sosted.

ans = INT-MAR 1.

0 4 is lowesting left half but not, we ared.

```
"श्री कृष्ण गोर्विंद हरे मुरारी, हे नाथ नारायण वासुदेवा"
     Data Structure and Algorithm
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              Malay Tripathi
```

```
f (arr, n)
low = n-1, ans=INT_MAX while (low = high)
       mid = (low+high)/2
        if (a (low) <= almid))
             ans = min (ans, arr Clow)
               low = mold +1;
           else
              ans = min (ans, arremid)
                high = mid-1;
            return ons;
```