

Stationarth Charletth Course

A. P. SHAH INSPRIMENT OF TROUBLOOK

(Approved by AICTE New Bello & Covt. of Maharushtra, Affiliated to University of Mambai) (Religious Jain Minority)

Subject :- ADSAA

SEM -V (I.T

Finding the Minimum and Maximum For finding minimum and moneimum no humber out of the given array there are 3 approaches:

- 1) Final Sort the array & then the element at index 0 is minimum element at last index will give you maximum element
- 2) Iterative go on checking each value from the array to get minimum & moreimum value.
- 3) MiniMax Algorithm.

Mini More Algorithm

- 1) Divide the given into sub arrays till we we get smallest possible binary p values in one sub array.
- Let's take an example having following

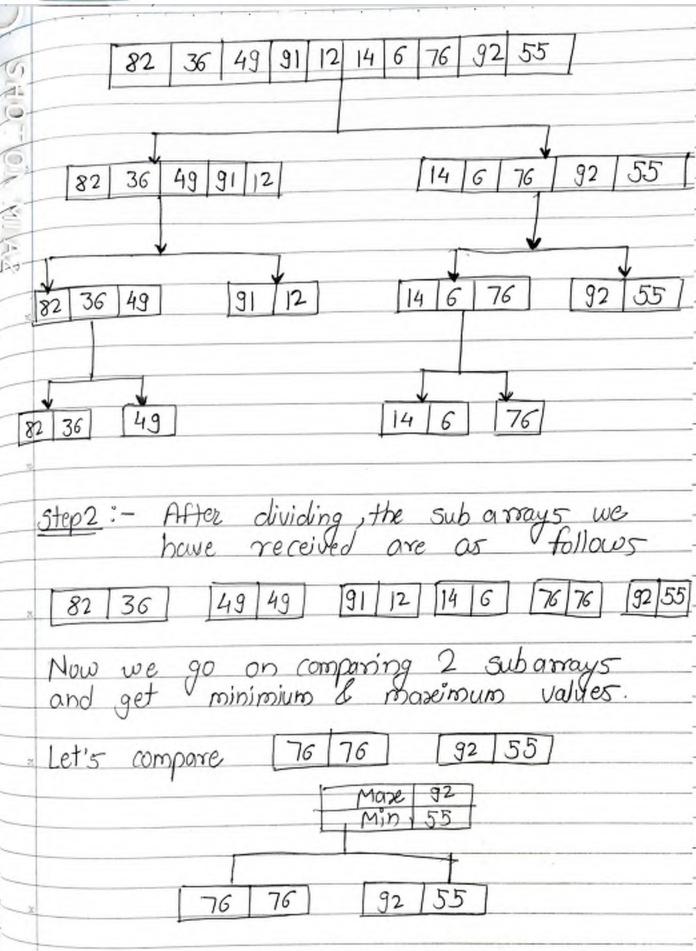
82	36	49	91	12	14	6	76	92	55

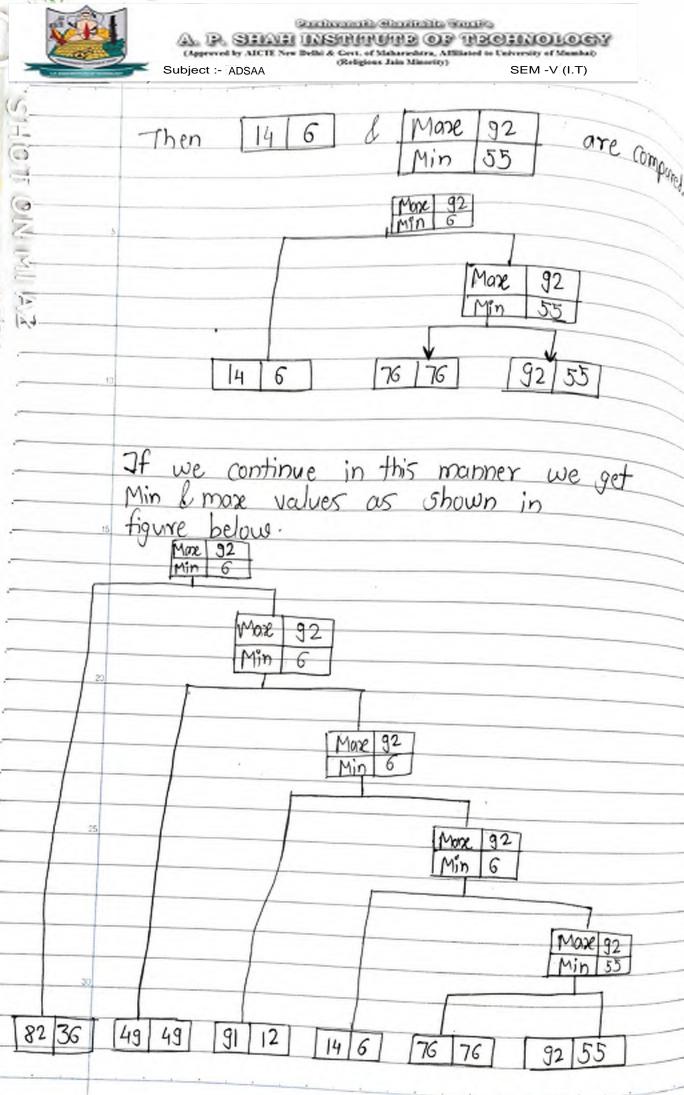
Stationershi Birmitelita Territo

P. SIIVAII IASHHHUHD OD TEOIIAOLOGY

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DESCRIPTION OF THEORY OF THEORY OF

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int min = 0 mox = 99999

int get Larger (a,b)

if b > a:

3

int get Smaller (a, b)

b < a: return b e return a

def MinMax (array, start, end):

if end-start > 2: // Divide part MinMax(array, start, (start + end)/2) MinMax (array, (start + end)/2, end)

else:

if end-start == 1:

max = getlarger (max, getlarger (# array[0]

Prof. A. N. Aher

Department of Information Technology



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A. P. SHAH HASHHUHD OF TEXHINOLOGY

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min=getsmaller(min,getSmaller(amay[0],arroy[i])

yold main()

int amoy[10]; int length=10

for (x=0; x<10; x++)

Haccept nos from user & store in array

MinMax (array, 0, length)