1st data structure Data Stucture -> Stuctures which are used to store the data > Data is the feel for the development. -> Different forms of data are stored in different types of structures. Algorithms'-> of operation on the data. Like Searching, Softing etc Array int int int Array 100 104 108 112 Configuous/ Given aswell Desame type of data can only be stored It is contiguous in Linear marks 15 Data

pedaratione. int marks [5] = { 10,20,30,40,50} Civiling the size to 5 int mars (= {10,20,30,40,50,60,70,80} No Size civit as we have not specified anything 10/20/30/40/50 7,dex 0 1 2 3 4 supposed example outcome & marks 1 = 20 Loops in Array for (inti=0; icsize; itt)} cout ce noiles [i] céendl; size of carroy can be found

by:

Actual

Size of [arroy] = Size of arroy

Size of [int]) It will be in individual binaries.

Find the Smallest Murber of Allaysif (suns [i] = substest) {
substest = roms [i] Snallest = wir (nons [i], snallest) largest = max (nons[i], largest. Pass By Reference address Address gets pass directly as Pars By value

Array-01

Array-02

[2/4/6] Copy gets [2/4/6

566 777 888] generaled 2009 1010 1111 -7 Address gets passed copy do not gets created

-> linear Search Target Variable To be found

If (neiks [i] = torget) { Time Complexity gives us the Binary Search wellood as wed which is used for searching purpose. -> Reverse on Array 2 pointers opprøach Start forward Back End [1.2 3 4 5 6 7 8 9 10] , End stort stort End : End 11/2/3/4 Stort End while (stort=end End Stark while (stort cerd) Sun & Product of array
Swap the wax 8 min of array
print all uniavove number
Intersection of 2 arrays

