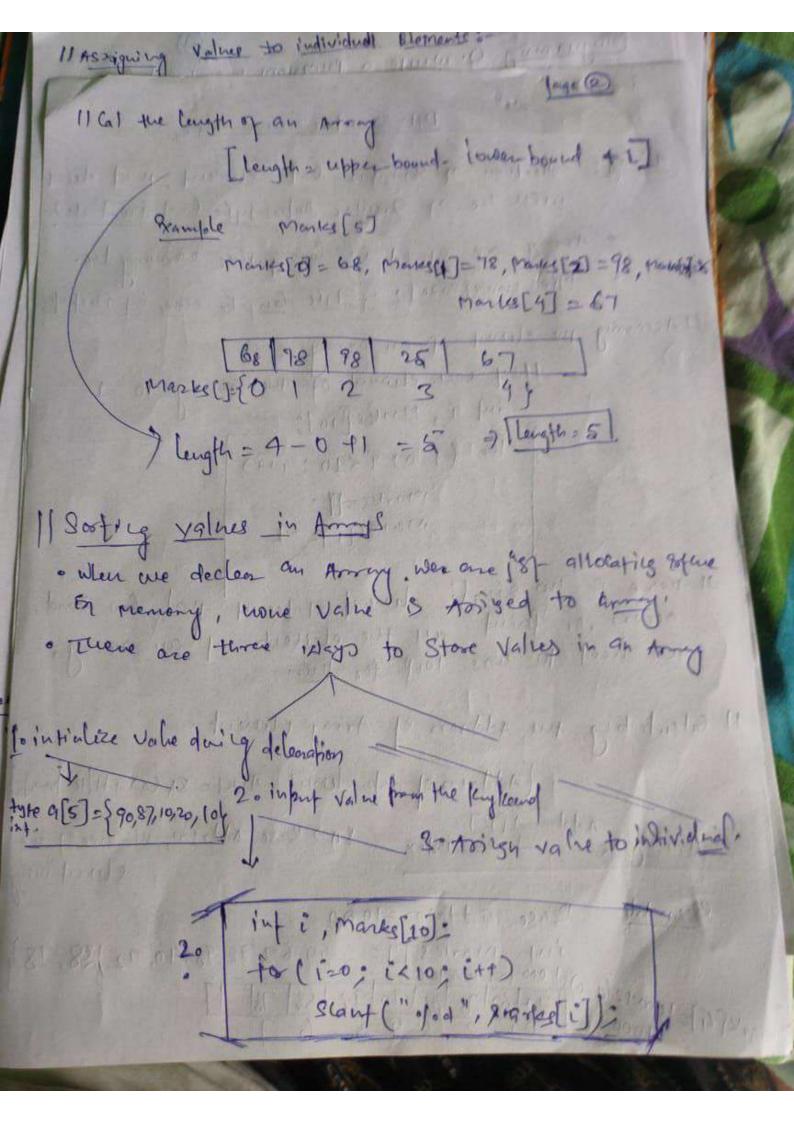
frogram to Cal hypotenuce of (E) Data Structure and Algo Array: - Collection of Soundar Date elevent, that deron will les of Similar data type (int, front etc) · Array one stored on Consequence sumony loc. type home[20120] ? Type an be circuit fraftly 1) Accessing the elevent of an array 11 set each element of the array to -1 int i, Marks[10]; for (120; (<10; i++) lesoured. Marke[i]= -1 Count wall, granded the was policious or It terso & no siegle alement statement that an seed, we used to us. 1000 fes tus. Il Calculating the Address of Array Henent [Address of data element, AEK] = BA (A) + N [K- lowerbox] Array and ACK) index &A> Base Address, W= Size of one elevery input Buse address 21000 example [mank[4]=10001240] Fig [6) 28 [96] 90 [92] 58 78 -17 [mank[4]=100018] Fig [6) 28 [96] 90 [92] 58 78 -17



11 Assigning Value to individual Elements: int i , armend, avageroy; arr[10] = { 0,1,2,3,4,5,6,7,8,9} [[nt i, arr[16]; for (iso; iceo; ite) for (iso; ite) arre[i] = arr[i]; arr[i]= inz; Code to copy ownay at the lode with even spins Endirected level operation on Array · Toaversing An Array . Insorting an Alement in An Any · searching our elevent in the Amery · Del an elevent from an for · Merging two array . Sosting an array in ascending con des so It Traversing Hu Array I accessing each a every above of army by some fortise Algorithm. Steb1: [INITIALIZATION] SET I = lower-bound Step 2: Repeat Steps 3 to 4 While I (=upper bound y exerce the last elem Selo 3: Apply moless to ACI) 8 tel 4: SET I = I+1 11 inserent: (END) of roop! Sep 5: ExIL.

about the double to the said Browning of write a bordinary to may any phylling Company wasing on mysley stimulule (staint) inf making inf t int i.u. arr [50]: 11 Enter to 000 of always Scant (" ./od", 24); tor (120; (Kn; 1+4) Builty (" \nabr [ola] =" F) = sent (" - 104" , & arr (3)= an of parally and Parintf (" in the observer are ")" for (= 0 ; i < u ; (++) Partite (" (+ 10d" avoli)); Fature of Queite a purgoon to find the mean of u op using the int Main() { int i, n, 144[20], Sun=021 float prean = 000 3 Scort (" 1.4", 20) for (coop Exn ; Ett) E Paint ("In arregad ="); 8 conf(") ofed", 200([]); A STATE OF THE PARTY OF THE PAR

and filled the state of the same of for (1=0; icu; i+1) Sum = Sun + avr[1] = Mean = (floot) sum/u= Parintf ("In The Sum of the arry gloreles old , sight Printol " in the mean of army = of . 25", mean) Laturen 0. Q' write a Pruggear to fine ut the position of the Smalles # include (Station) of of on sunbare using owners. 7 int E. M. avar[20], Imall, 7052 11 Enfer the No. of element in the arrang Sconf (" of od" 94) ? for (120; ixu : 11+) Scant ("olod "garati); put. [Smey = 9 [0]; POS =0: ter (i=1; ich; i++) of (arrEi] (Smay) Small = arreis; Pos 2 C ff ("In The Smallest elevent is " god", Small) ff 1" In The for of smelles feleral old" , for):

Q. Him and largest of or or ormbor using bury. @ int main () f int i, u, avr(20], large, second large; Scort (" ofod", 84); -for (120; (C4; 1+1) 26nf(" god", garr [i]) large = arr(0) so the for (in) is no first program or about a se if (arr BJ x lange) } lage = a rr[i]; Second-large = Grr[1] for (i=0; i<u ; (+1) () ((() ! = langa) { it (arr(i)) second large) (1112/1072 Por 1 199 Second-large = fire(i); June 7 3 3 5 7 5 6 1 Print! " In no you entered ove: "): for (1:0; ixu; i++) Purnif ("It god", arre[i]); ft ("In the 'argest of these up is : god' lage); It ("In the See Lages of these no . I . d " Second bus) geturno; 5.

Q. wante a parogram to outer of oumber of signif from a Number using kiese digits. #include < spion7 # luchde chather int main () ent summerso, digit (10), i, mordigit; Scory (" ./ . d" , & wortdigit); for (izoz ix un q digit; im) (mint (" Enter the digit at fasition ofed" in); (1) (" yod" () digit[i]); 120 2 11 While (i x noordigit) 2 sumber = sumber + digit [i] * Pontice seinff(" | a The Dubr 0: 0/00 dumbre); Enfer tue digit at footion 1:2 Te Du & 9082

(B) went a pergoom to find dublicate value Hindride < spio-h> int main () int array [10] i, u, j, flag = 0; Stary (" ofod", & n); for (1=0; 12n; (++) { ft (" | n avery [10 d] = " i); sct ("), d " gamay []; aufput for (1=0; (< 4 ; 17+1) Enforthe Mize of any! for (j=i+1; j(u;j++) array[0]=1 if (array[i] == arr(i] 22 i!=i) array[1]=2 array[2] = 3 1 flag = 1; grand [3]=2 array [4] => fewent ("In publicate no found at loc food of Publick no tent at · d" ,i,i); 1 ond 3 17 (Hag 220) Auf ("In No Dubli late found"); Asturn 0.