

CS23331-Design and Analysis of Algorithms-2023 Batch-CSE

Dashboard / My courses / CS23331-DAA-2023-CSE / Divide and Conquer / 4-Two Elements sum to x



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Started on Friday, 18 October 2024, 1:44 PM
                State Finished
      Completed on Friday, 18 October 2024, 1:45 PM
          Time taken 1 min 4 secs
               Marks 1.00/1.00
               Grade 10.00 out of 10.00 (100%)
Correct
                       Given a sorted array of integers say arr[] and a number x. Write a recursive program using divide and conquer strategy to check if there exist two elements in the array whose sum = x. If there exist such two elements then return the numbers, otherwise print as "No".
Mark 1.00 out of
1.00
                        Note: Write a Divide and Conquer Solution
                        Input Format
P Flag question
                         First Line Contains Integer n – Size of array
                         Next n lines Contains n numbers - Elements of an array
                         Last Line Contains Integer x – Sum Value
                       Output Format
                         First Line Contains Integer – Element1
                         Second Line Contains Integer - Element2 (Element 1 and Elements 2 together sums to value "x")
                        Answer: (penalty regime: 0 %)
                                 #include<stdio.h>
                                            m=(1+h)/2;
if(arr[m]--tar) return 1;
else if(arr[m]<tar) l=m+1;
else h=m-1;</pre>
                                            int tar=k-arr[i];
int ans=binarysearch(arr,0,n,tar);
if(ans==1)
                                      int n,k;
scanf("%d",&n);
int arr[n];
for(int i=0;i<n;i++)</pre>
                                Input Expected Got
                         Passed all tests! 🗸
                                                                                                                                                                                                                                         Finish review
                                                                                     Jump to..

→ 3-Finding Floor Value

                                                                                                                                                                                                             5-Implementation of Quick Sort -
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