DSA Sheet by Love Babbar - Ge | First and last occurrences of x |

practice.geeksforgeeks.org/problems/first-and-last-occurrences-of-x3116/1

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Problems Courses Jobs Upcoming Events POTD 254

Problem Editorial Submissions Comments

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Suggest Feedback

Problem Solved Successfully

Test Cases Passed:	Total Points Scored:
1120 /1120	4 /4
Your Total Score:	**Total Time Taken:**
254 ↑	0.47
Your Accuracy:	**Attempts No.:**
50%	2

Next Suggested Problem(s):

Magical Number Find the closest number

C++ (g++ 5.4) Average Time: 15m Start Timer

```
1  // } Driver Code Ends
6  class Solution
7  {
8      public:
9      vector<int> find(int arr[], int n , int x )
10     {
11         vector<int>ans;
12         for(int i=0; i<n; i++){
13             if(arr[i] == x){
14                 ans.push_back(i);
15                 break;
16             }
17         }
18         int a=0;
19         for(int i=0; i<n; i++){
20             if(arr[i] == x){
21                 a = i;
22             }
23         }
24         if(a != 0)
25         ans.push_back(a);
26
27         if(ans.size())
28         return ans;
29
30         ans.push_back(-1);
31         ans.push_back(-1);
32         return ans;
```

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DSA Sheet by Love Babbar - Ge | Value equal to index value | Prac | Search an element in sorted and

practice.geeksforgeeks.org/problems/search-in-a-rotated-array0959/1?category=

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Problems Courses Jobs Events (Upcoming) POTD 256

Problem Editorial Submissions Comments

Output Window

Compilation Results | Custom Input

Suggest Feedback

Problem Solved Successfully

Test Cases Passed:	Total Points Scored:
370 /370	2 /2
Your Total Score:	**Total Time Taken:**
256 ↑	0.34
Your Accuracy:	**Attempts No.:**
100%	1

Next Suggested Problem(s):

Find the element that appears once in sorted array

C++ (g++ 5.4) Average Time: 20m Start Timer

```
1  // } Driver Code Ends
33
34
35 //User function template for C++
36
37 // vec : given vector of elements
38 // K : given value whose index we need to find
39 int Search(vector<int> array, int target) {
40     //code here
41     int i=0;
42     int j=array.size()-1;
43     while(i<=j){
44         if(array[i]==target) return i;
45         if(array[j]==target) return j;
46         i++;
47         j--;
48     }
49     return -1;
50 }
```

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DSA Sheet by Love Babbar - Ge | Value equal to index value | Prac | Count Squares | Practice | Geeks

practice.geeksforgeeks.org/problems/count-squares3649/1

Gmail YouTube Maps All Bookmarks

Problems Courses Jobs Upcoming Events POTD 257

Problem Editorial Submissions Comments

C++ (g++ 5.4) Start Timer

```
1  // } Driver Code Ends
6  class Solution {
7    public:
8      int countSquares(int N) {
9          // code here
10         int count = 0;
11         for(int i=1; i<sqrt(N); i++){
12             if(pow(i , 2)<N)
13             count++;
14         }
15         return count;
16     }
17 };
18 // } Driver Code Ends
```

Output Window

Compilation Results Custom Input

Suggest Feedback

Problem Solved Successfully

Test Cases Passed:	Total Points Scored:
10001 /10001	1 /1
Your Total Score:	**Total Time Taken:**
257 ↑	0.85
Your Accuracy:	**Attempts No.:**
100%	1

Next Suggested Problem(s):

Maximum money Divisible Numbers

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DSA Sheet by Love Babbar - Ge | Middle of Three | Practice | Gee | Value equal to index value | Prac

practice.geeksforgeeks.org/problems/middle-of-three2926/1

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Problems Courses Jobs Events (Upcoming) POTD 258

Problem Editorial Submissions Comments

Output Window

Compilation Results Custom Input

Suggest Feedback

Problem Solved Successfully

Test Cases Passed:	Total Points Scored:
1115 /1115	1 /1
Your Total Score:	**Total Time Taken:**
258 ↑	0.01
Your Accuracy:	**Attempts No.:**
100%	1

Next Suggested Problem(s):

Anshuman's Favourite Number

C++ (g++ 5.4) Start Timer

```
1  // } Driver Code Ends
8  //User function template for C++
9
10 class Solution{
11   public:
12     int middle(int A, int B, int C){
13         //code here//Position this line where user code will be pasted.
14         if(A>B && B>C  || C>B && B>A)
15         return B;
16
17         if(A>C && C>B || B>C && C>A)
18         return C;
19
20         if(C>A && A>B || B>A && A>C)
21         return A;
22     }
23 };
24 // } Driver Code Ends
```

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DSA Sheet by Love Babbar - Ge | Find Missing And Repeating | Pr | Value equal to index value | Prac | std::sort() in C++ STL - Geeksfor

practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1

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Problems Courses Jobs Upcoming Events POTD 262

Problem Editorial Submissions Comments

Output Window

Compilation Results Custom Input

Suggest Feedback

Problem Solved Successfully

Test Cases Passed:	Total Points Scored:
340 /340	4 /4
Your Total Score:	**Total Time Taken:**
262 ↑	0.27
Your Accuracy:	**Attempts No.:**
25%	4

Suggested Contest:

Based on your excellent performance, we believe you are fully prepared to

C++ (g++ 5.4) Average Time: 30m Start Timer

```
1  // } Driver Code Ends
7  class Solution{
8  public:
9      vector<int> findTwoElement(vector<int> arr, int n) {
10         // code here
11         int miss,rep;
12         int vis[n]={0};
13         for(int i=0;i<n;i++)
14         {
15             vis[arr[i]-1]++;
16         }
17         for(int i=0;i<n;i++)
18         {
19             if(vis[i]==0)
20             miss=i+1;
21             if(vis[i]==2)
22             rep=i+1;
23         }
24         return {rep,miss};
25     }
26 };
27 // } Driver Code Ends
```

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Allocate minimum number of pa | Find Missing And Repeating | Pr | Value equal to index value | Prac | max_int in cpp - Google Search

practice.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1

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Problems Courses Jobs Events (Upcoming) POTD 262

Problem Editorial Submissions Comments

Allocate minimum number of pages

Hard Accuracy: **35.51%** Submissions: **160K+** Points: **8**

You have **N** books, each with **A[i]** number of pages. **M** students need to be allocated contiguous books, with each student getting at least one book.

Out of all the permutations, the goal is to find the permutation where the student with the most **books** allocated to him gets the minimum number of pages, out of all possible permutations.

Note: Return **-1** if a valid assignment is not possible, and allotment should be in contiguous order (see the explanation for better understanding).

Example 1:

C++ (g++ 5.4) Average Time: 35m Start Timer

```
1  // } Driver Code Ends
9  //User function template in C++
10
11 class Solution
12 {
13     public:
14     //Function to find minimum number of pages.
15     int findPages(int arr[], int n, int m)
16     {
17         // int sum = 0 , count = 1 ;
18         int start = arr[0] , end = 0 , mid ;
19         if(m>n){
20             return -1;
21         }
22         for(int i = 0; i<n; i++){
23             end = end + arr[i];
24             if(start<arr[i]){
25                 start = arr[i];
26             }
27         }// so end will become total sum of books pages and start will become
28         // maximum no of page of single book
29         int ans;
30         while(start <= end){
31             mid = end + (start - end) / 2;//mid will tell how many maxpage we can give to 1bacha
32             int sum = 0 , count = 1;
33             for(int i=0; i<n; i++){ //ye loop bacho ko kitabe baat rha h.aur kitno koBaatPaRhaHu
34                 sum += arr[i]; //pages add krta ja rha for 1bacha
35                 if(sum>mid){
```


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DSA Sheet by Love Babbar - Ge | Find Missing And Repeating | Pr | Value equal to index value | Prac | max_int in cpp - Google Search

practice.geeksforgeeks.org/problems/value-equal-to-index-value1330/1

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Problems Courses Jobs Events (Upcoming) POTD 262

Problem Editorial Submissions Comments

C++ (g++ 5.4) Average Time: 20m Start Timer

Output Window

Compilation Results Custom Input

Suggest Feedback

Problem Solved Successfully

Test Cases Passed:	Total Points Scored:
270 /270	0 /0
Your Total Score:	**Total Time Taken:**
262	0.45
Your Accuracy:	**Attempts No.:**
50%	2

Next Suggested Problem(s):

Find Index | Second Largest | Smaller and Larger

```
1  // } Driver Code Ends
8  //User function template for C++
9  class Solution{
10 public:
11
12     vector<int> valueEqualToIndex(int arr[], int n) {
13         // code here
14          vector<int> ans;
15         for(int i=0;i<n;i++){
16             if(arr[i]==i+1){
17                 ans.push_back(arr[i]);
18             }
19         }
20         return ans;
21
22     }
23 };
24 // } Driver Code Ends
```

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