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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Problem Solving Through Programming In C (course)

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Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 9 : Programming Assignment 1

Due on 2023-09-28, 23:59 IST

Write a program to print all the locations at which a particular element (taken as input) is found in a list and also print the total number of times it occurs in the list. The location starts from 1. For example if there are 4 elements in the array

5
6
5
7

If the element to search is 5 then the output will be
5 is present at location 1
5 is present at location 3
5 is present 2 times in the array.

Your last recorded submission was on 2023-09-25, 21:51 IST

Select the Language for this assignment. C ⌄

```
1  #include <stdio.h>
2  int main()
3  {
4      int array[100], search, n, count = 0;
5      //"search" is the key element to search and 'n' is the total number of
6      // "count" is to store total number of elements
7
8    scanf("%d", &n); //Number of elements is taken from test case
9
10     int c;
11     for (c = 0; c < n; c++)
12         scanf("%d", &array[c]);
13
14     scanf("%d", &search); // The element to search is taken from test case
15
16 /* Use the printf statements as below:
17 "%d is present at location %d.\n"  for each locations
18 "%d is not present in the array.\n" if the element is not found in the li
```

```
19 "%d is present %d times in the array.\n"
20 */
21 for(c=0;c<n;c++)
22 {
23   if(array[c]==search)
24   {
25     count++;
26     printf("%d is present at location %d.\n",search,c+1);
27   }
28 }
29 if(count==0)
30   printf("%d is not present in the array.",search);
31 else
32 printf("%d is present %d times in the array.",search,count);
33 return 0;
34 }
35
```

You may submit any number of times before the due date. The final submission will be considered for grading.

This assignment has Public Test cases. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.

Save as Draft	Compile & Run	Submit	Reset

Sample Test Cases

	Input	Output
Test Case 1	4 5 6 5 7 5	5 is present at location 1. 5 is present at location 3. 5 is present 2 times in the array.
Test Case 2	5 67 80 45 97 100 50	50 is not present in the array.

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● Week 9 :
Programming
Assignment 3
(/noc23_cs121
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● Week 9 :
Programming
Assignment 4
(/noc23_cs121
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ent?
name=265)

○ Feedback
Form of Week
9 (unit?
unit=85&lesso
n=266)

Week 10 ()

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