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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 2

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

Write a C program to search a given element from a 1D array and display the position at which it is found by using linear search function. The index location starts from 1.

Your last recorded submission was on 2023-09-25, 21:56 IST

Select the Language for this assignment. C

```c
#include <stdio.h>
int linear_search(int[], int, int);
int main()
{
   int array[100], search, c, n, position;
   /* search - element to search, c - counter, n - number of elements in
   position - The position in which the element is first found in the lis

    scanf("%d", &n); // Number of elements in the array is read from the

    for (c = 0; c < n; c++)
    scanf("%d", &array[c]); //Elements of array is read from the test dat

    scanf("%d", &search);  //Element to search is read from the test case

   /* Use the following in the printf statement to print the output
   printf("%d is not present in the array.", search);
   printf("%d is present at location %d.", search, position+1); //As arra
   */
```

```c
for (c = 0; c < n; c++)
{
  if(array[c]==search)
  {
    printf("%d is present at location %d.",search,c+1);
    return 0l;
  }
}
printf("%d is not present in the array.",search);
return 0;
}
```

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	5 78 90 34 54 98 90	90 is present at location 2.
Test Case 2	6 30 40 50 20 90 60 90	90 is present at location 5.