



Get started

main.c

```
1 #include <stdio.h>
2 int linearSearch(int a[], int n, int val) {
3     for (int i = 0; i < n; i++)
4     { if (a[i] == val)
5         return i+1; }
6     return -1;
7 }
8 int main() {
9     int a[] = {70, 40, 30, 11, 57, 41, 25, 14, 52};
10    int val = 41;
11    int n = sizeof(a) / sizeof(a[0]);
12    int res = linearSearch(a, n, val);
13    printf("The elements of the array are - ");
14    for (int i = 0; i < n; i++)
15        printf("%d ", a[i]);
16    printf("\nElement to be searched is - %d", val);
17    if (res == -1)
18        printf("\nElement is not present in the array");
19    else
20        printf("\nElement is present at %d position of array", res);
21    return 0;
22 }
```

Run

Output

/tmp/S5mhgwUouP.o  
The elements of the array are - 70 40 30 11 57 41 25 14 52  
Element to be searched is - 41  
Element is present at 6 position of array  
=== Code Execution Successful ===



Search



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