

```
#include <stdio.h>

int lastindex(int a[], int n, int num);

void main() {
    int a[10];
    int i,n,num;
    int result;

    printf("Read n: ");
    scanf("%d", &n);

    printf("Enter the elements of the array:");
    for ( i = 0; i < n; i++) {
        scanf("%d", &a[i]);
    }

    printf("Enter the number to find the last occurrence: ");
    scanf("%d", &num);

    result = lastindex(a, n, num);

    if (result != -1) {
        printf("Last occurrence of %d is at pos%d", num, result);
    } else {
        printf("%d not found in the array", num);
    }

}
```

```
int lastindex(int a[], int n, int num) {  
    int index = -1;  
  
    for (int i = 0; i < n; i++) {  
        if (a[i] == num) {  
            index = i+1;  
        }  
    }  
  
    return index;  
}
```

Output:

```
Read n: 5  
Enter the elements of the array:2 3 6 3 7  
Enter the number to find the last occurrence: 3  
Last occurrence of 3 is at pos4
```