

5

```
#include <stdio.h>
int lastIndex(int arr[], int size, int target) {
    int lastIndex = -1;
    for (int i = size - 1; i >= 0; i--) {
        if (arr[i] == target) {
            lastIndex = i;
            break;
        }
    }
    return lastIndex;
}
int main() {
    int size, target;
    printf("Enter the size of the array: ");
    scanf("%d", &size);
    int arr[size];
    printf("Enter the elements of the array:\n");
    for (int i = 0; i < size; i++) {
        printf("Element %d: ", i + 1);
        scanf("%d", &arr[i]);
    }
    printf("Enter the number to find the last occurrence: ");
    scanf("%d", &target);
    int result = lastIndex(arr, size, target);
    if (result != -1) {
        printf("The last occurrence of %d is at index %d.\n", target, result);
    } else {
        printf("%d not found in the array.\n", target);
    }
    return 0;
}
```

```
Enter the size of the array: 6
Enter the elements of the array:
Element 1: 32
Element 2: 54
Element 3: 67
Element 4: 78
Element 5: 89
Element 6: 94
Enter the number to find the last occurrence: 78
The last occurrence of 78 is at index 3.
```