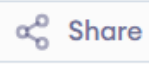


main.c



Run

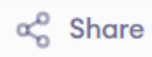
Output

```
1 //DAY 31
2 //Q61
3 #include <stdio.h>
4 int main() {
5     int arr[100], n, i, key, found = 0;
6
7     printf("Enter the number of elements in the array: ");
8     scanf("%d", &n);
9
10    printf("Enter %d elements:\n", n);
11    for(i = 0; i < n; i++) {
12        scanf("%d", &arr[i]);
13    }
14
15    printf("Enter the element to search: ");
16    scanf("%d", &key);
17
18    for(i = 0; i < n; i++) {
19        if(arr[i] == key) {
20            printf("Element %d found at position %d.\n", key, i + 1);
21            found = 1;
22            break;
23        }
24    }
25    if(found == 0)
26        printf("Element %d not found in the array.\n", key);
27
28    return 0;
29 }
```

Enter the number of elements in the array: 5
Enter 5 elements:
1 2 3 4 5
Enter the element to search: 3
Element 3 found at position 3.

=== Code Execution Successful ===

main.c



Run

Output

```
1 //DAY 31
2 //Q62
3 #include <stdio.h>
4
5 int main() {
6     int arr[100], n, i, temp;
7
8     printf("Enter the number of elements in the array: ");
9     scanf("%d", &n);
10
11     printf("Enter %d elements:\n", n);
12     for(i = 0; i < n; i++) {
13         scanf("%d", &arr[i]);
14     }
15
16     // Reverse the array in place (no extra array used)
17     for(i = 0; i < n / 2; i++) {
18         temp = arr[i];
19         arr[i] = arr[n - i - 1];
20         arr[n - i - 1] = temp;
21     }
22
23     printf("Reversed array:\n");
24     for(i = 0; i < n; i++) {
25         printf("%d ", arr[i]);
26     }
27
28     return 0;
29 }
```

Enter the number of elements in the array: 4
Enter 4 elements:
1 2 3 4
Reversed array:
4 3 2 1

=== Code Execution Successful ===