main.c

Share Run

```c
//DAY 31
//Q61
#include <stdio.h>
int main() {
    int arr[100], n, i, key, found = 0;

    printf("Enter the number of elements in the array: ");
    scanf("%d", &n);

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

    printf("Enter the element to search: ");
    scanf("%d", &key);

    for(i = 0; i < n; i++) {
        if(arr[i] == key) {
            printf("Element %d found at position %d.\n", key, i + 1);
            found = 1;
            break;
        }
    }
    if(found == 0)
        printf("Element %d not found in the array.\n", key);

    return 0;
}
```

Output

```
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

Share Run

```c
//DAY 31
//Q62
#include <stdio.h>

int main() {
    int arr[100], n, i, temp;

    printf("Enter the number of elements in the array: ");
    scanf("%d", &n);

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

    // Reverse the array in place (no extra array used)
    for(i = 0; i < n / 2; i++) {
        temp = arr[i];
        arr[i] = arr[n - i - 1];
        arr[n - i - 1] = temp;
    }

    printf("Reversed array:\n");
    for(i = 0; i < n; i++) {
        printf("%d ", arr[i]);
    }

    return 0;
}
```

Output

```
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 ===
```