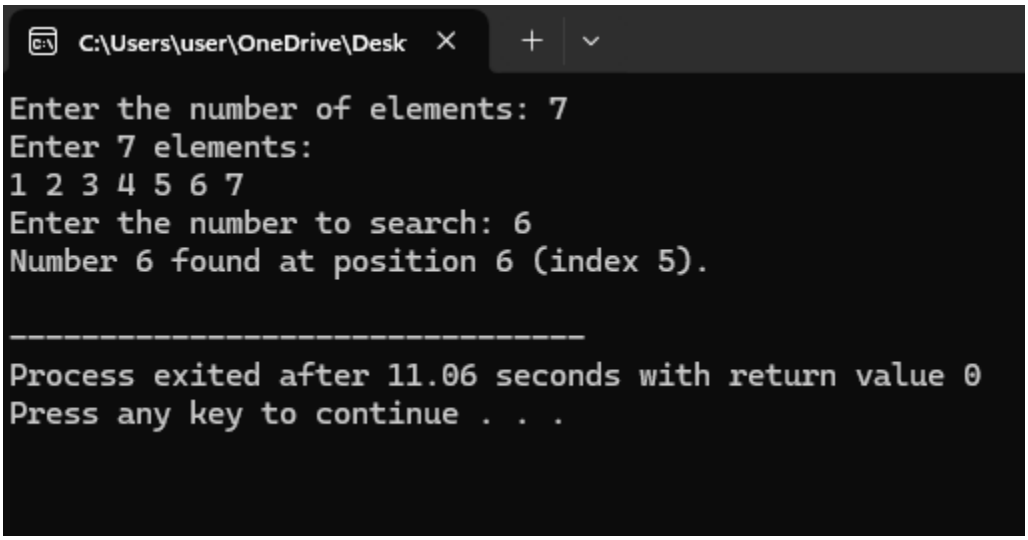
```c
#include <stdio.h>

int main() {
    int arr[100], n, i, key, found = 0;
    printf("Enter the number of elements: ");
    scanf("%d", &n);
    printf("Enter %d elements:\n", n);
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    printf("Enter the number to search: ");
    scanf("%d", &key);

    for(i = 0; i < n; i++) {
        if(arr[i] == key) {
            printf("Number %d found at position %d (index %d).\n", key, i + 1, i);
            found = 1;
            break;
        }
    }

    if(!found) {
        printf("Number %d not found in the list.\n", key);
    }
```

```
    return 0;
}
```


C:\Users\user\OneDrive\Desk
Enter the number of elements: 7
Enter 7 elements:
1 2 3 4 5 6 7
Enter the number to search: 6
Number 6 found at position 6 (index 5).

Process exited after 11.06 seconds with return value 0
Press any key to continue . . .