12 . Write a C program to find a number in the list .

```c
#include <stdio.h>

int main() {
    int arr[100], n, i, key, found = 0;
    printf("Enter number of elements in the list: ");
    scanf("%d", &n);
    printf("Enter %d elements:\n", n);
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    printf("Enter the number to find: ");
    scanf("%d", &key);
    for(i = 0; i < n; i++) {
        if(arr[i] == key) {
            printf("Number %d found at position %d.\n", key, i + 1);
            found = 1;
            break;
        }
    }
    if(!found) {
        printf("Number %d not found in the list.\n", key);
    }
    return 0;
}
```

OUTPUT

```
C:\Users\saire\OneDrive\Desk    ×    +    ∨

Enter number of elements in the list: 5
Enter 5 elements:
1 2 5 6 4
Enter the number to find: 2
Number 2 found at position 2.

----------------------------------
Process exited after 9.395 seconds with return value 0
Press any key to continue . . . |
```