

```

1  #include <stdio.h>
2
3  int main() {
4      int n;
5      printf("Enter the number of elements: ");
6      scanf("%d", &n);
7      int a[n];
8      printf("Enter %d integers:\n", n);
9      for (int i = 0; i < n; i++) {
10         scanf("%d", &a[i]);
11     }
12     int candidate = a[0], count = 1;
13     for (int i = 1; i < n; i++) {
14         if (a[i] == candidate) {
15             count++;
16         } else {
17             count--;
18             if (count == 0) {
19                 candidate = a[i];
20                 count = 1;
21             }
22         }
23     }
24     count = 0;
25     for (int i = 0; i < n; i++) {
26         if (a[i] == candidate) {
27             count++;
28         }
29     }
30     if (count > n / 2) {
31         printf("Majority element: %d\n", candidate);
32     } else {
33         printf("Majority element: -1\n");
34     }
35
36     return 0;
37 }
38
39

```