

```

1  /// Quiz 4 2555-1: Vote
2
3  #include <stdio.h>
4
5  int main() {
6      int V[101];      // Array for vote counters.
7      int N, K;
8      scanf("%d %d", &N, &K);
9
10     // Initialize vote counts of all candidates to zero.
11     int i;
12     for(i = 1; i <= N; ++i) {
13         V[i] = 0;
14     }
15
16     // Count votes
17     for(i = 0; i < K; ++i) {
18         int x;
19         scanf("%d", &x);
20         V[x] = V[x] + 1;
21     }
22
23     // Find max
24     int best = -1;    // best candidate ID
25     int max = -1;     // maximum count
26     for(i = 1; i <= N; ++i) {
27         if(V[i] > max) {
28             best = i;
29             max = V[i];
30         }
31     }
32     printf("%d\n%d", best, max);
33
34     return 0;
35 }

```