

```

1  /// Final 2555-2: Max Duplication
2  /// Author Pinyo Taeprasartsit
3
4  #include <stdio.h>
5
6  int main() {
7      int N, i, p;
8      int A[500];
9      scanf("%d", &N);
10
11     for(i = 0; i < N; ++i) {
12         scanf("%d", &A[i]);
13     }
14
15     int max_dup = -1;
16     int max_dup_value = -1;
17     for(p = 0; p < N; ++p) {
18         int count = 1;
19         int value = A[p];
20         for(i = p + 1; i < N; ++i) {
21             if(value == A[i]) {
22                 ++count;
23             }
24         }
25
26         if(count > max_dup) {
27             max_dup = count;
28             max_dup_value = value;
29         } else if(count == max_dup && value > max_dup_value) {
30             max_dup_value = value;
31         }
32     }
33
34     printf("%d\n%d", max_dup_value, max_dup);
35
36     return 0;
37 }

```