

```
1  #include <stdio.h>
2
3  int main() {
4      int count = 0;           // current repeat count
5      int count_max = 0;      // max repeat count so far
6      int repeat_max_num = 0; // the number having max repeat count
7      int previous = 0;
8      while(1) {
9          int x;
10         scanf("%d", &x);
11         if(x == 0) {
12             break;
13         }
14
15         if(x == previous) {
16             ++count;
17         } else if(x != previous) {
18             count = 1;
19         }
20
21         if(count > count_max) {
22             count_max = count;
23             repeat_max_num = x;
24         }
25         previous = x;
26     }
27     printf("%d\n%d", count_max, repeat_max_num);
28
29     return 0;
30 }
31
```