

```
1  #include <stdio.h>
2
3  int main() {
4      int odd_max = 0;
5      int even_max = 0;
6
7      while(1) {
8          int x;
9          scanf("%d", &x);
10         if(x <= 0) {
11             break;
12         }
13         if(x % 2 == 0 && x > even_max) {
14             even_max = x;
15         } else if(x % 2 == 1 && x > odd_max) {
16             odd_max = x;
17         }
18     }
19
20     printf("%d\n%d\n", odd_max, even_max);
21
22     int diff;
23     if(odd_max > even_max) {
24         diff = odd_max - even_max;
25     } else {
26         diff = even_max - odd_max;
27     }
28     printf("%d", diff);
29
30     return 0;
31 }
32
```