

```
1 //
2 // Created by hfwei on 2023/10/6.
3 //
4
5 #include <stdio.h>
6
7 #define NUM 5
8
9 int main(void) {
10     int numbers[NUM] = { 0 };
11
12     // int i = 0;
13     // &:amp; address-of operator (numbers[i] is an lvalue)
14     for (int i = 0; i < NUM; i++) {
15         scanf("%d", &numbers[i]);
16     }
17
18     // []: array subscripting operator
19     int min = numbers[0];
20
21     // syntax + semantics
22     // syntax: for (init-clause; condition-expression; iteration-
expression) loop-statement
23     // semantics: debug!!!
24     // (1): []
25     // (2): i < NUM: not i <= NUM (accessing out-of-bounds; 越界)
26     // (3): int i = 1; since C99 (declaration in for-loop); code in
standard C library
27     for (int i = 1;
28         i < NUM;
29         i++) {
30         if (numbers[i] < min) {
31             min = numbers[i];
32         }
33     }
34
35     printf("min = %d\n", min);
36
37     return 0;
38 }
```