```c
 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   // TODO (hfwei): Variable length array (VLA) folded to constant
     array as an extension
11   // const int NUM = 5;
12
13   // index starting from 0
14   // 5 elements (no '\0')
15   // int[] numbers = {23, 56, 19, 11, 78};
16   // variable-sized object may not be initialized
17   // designator: from C99
18   int numbers[NUM] = {23, 56, 19, 11, 78};
19
20   // []: array subscripting operator
21   int min = numbers[0];
22
23   // syntax + semantics
24   // syntax: for (init-clause; condition-expression; iteration-
     expression) loop-statement
25   // semantics: debug!!!
26   // (1): []
27   // (2): i < NUM: not i <= NUM (accessing out-of-bounds; 数组越界)
28   // (3): int i = 1; since C99 (declaration in for-loop); code in
     standard C library
29   for (int i = 1;
30                     i < NUM;
31                            i++) {
32     if (numbers[i] < min) {
33       min = numbers[i];
34     }
35   }
36
37   printf("min = %d\n", min);
38
39   return 0;
40 }
```