```
#include <stdio.h>
 1
 2
     #define SIZE 5 /* Número de elementos do array */
 3
 4
     void SelectionSort(char *array, char size, int order) {
 5
 6
         char i, j, min, aux, aux2;
 7
         char startAddr = 0;
 8
 9
         for (i = startAddr; i + 1 < size; i++) {</pre>
10
              min = i;
11
12
              for (j = i + 1; j < size; j++) {</pre>
13
                  aux = array[j];
14
15
                  if (order == 1 && aux < array[min] || order == 0 && aux > array[min] ) {
16
                          min = j;
17
                  }
18
              }
19
20
               if (i != min) {
21
                   aux = array[i];
22
23
                   aux = aux ^ array[min];
24
                   aux2 = aux ^ array[min];
25
26
27
                   array[min] = aux2;
28
29
                   aux = aux ^ aux2;
30
31
                   array[i] = aux;
32
               }
33
         }
34
     }
35
36
     int main() {
37
         char array[SIZE] = \{5, 3, -1, 4, 3\};
38
         int i;
39
         int order;
40
41
         printf("Escolha a direção (0 = decrescente, 1 = crescente): ");
42
         scanf("%d", &order);
43
44
         printf("Array original: ");
45
         for (i = 0; i < SIZE; i++)</pre>
              printf("%d ", array[i]);
46
47
         printf("\n");
48
         SelectionSort(array, SIZE, order);
49
50
51
         printf("Array ordenado: ");
52
         for (i = 0; i < SIZE; i++)</pre>
             printf("%d ", array[i]);
53
         printf("\n");
54
55
56
         return 0;
57
     }
```