

```

1  /* Bubble sort code */
2
3  #include <stdio.h>
4
5  int main()
6  {
7      int array[100], n, c, d, swap;
8
9      printf("Enter number of elements\n");
10     scanf("%d", &n);
11
12     printf("Enter %d integers\n", n);
13
14     for (c = 0; c < n; c++)
15         scanf("%d", &array[c]);
16     //bubble sort logic
17     for (c = 0 ; c < ( n - 1 ); c++)
18     {
19         for (d = 0 ; d < n - c - 1; d++)
20         {
21             if (array[d] > array[d+1]) /* For decreasing order use < */
22             {
23                 swap      = array[d];
24                 array[d]  = array[d+1];
25                 array[d+1] = swap;
26             }
27         }
28     }
29
30     printf("Sorted list in ascending order:\n");
31
32     for ( c = 0 ; c < n ; c++ )
33         printf("%d\n", array[c]);
34
35     return 0;
36 }

```