```
1: /*----*/
 2:
 3: #include<iostream>
 4: using namespace std;
 5:
 6: void inputArray(int arr[], int n)
 7: {
 8:
        cout << "Enter the elements of your array: \n";</pre>
        for(int i = 0; i < n; i++)</pre>
9:
10:
            cin >> arr[i];
11:
12:
        }
13: }
14:
15: void printArray(int arr[], int n)
16: {
17:
        for(int i = 0; i < n; i++)</pre>
18:
        {
            cout << arr[i] << " ";</pre>
19:
20:
        }
21: }
22:
23: void swap(int arr[], int i, int j)
24: {
25:
        int temp = arr[i];
        arr[i] = arr[j];
26:
27:
        arr[j] = temp;
28: }
29:
30: void bubbleSort(int arr[], int n)
31: {
        for(int i = 0; i < n - 1; i++)</pre>
32:
33:
        {
            for(int j = 0; j < n - i - 1; j++)
34:
35:
            {
36:
                if(arr[j] > arr[j + 1])
37:
                    swap(arr, j, j + 1);
38:
39:
40:
            }
41:
        }
42: }
43:
44: int main()
45: {
46:
        int n;
```

```
47:
        cout << "Enter the length: \n";</pre>
48:
        cin >> n;
49:
        int arr[n];
50:
        inputArray(arr, n);
51:
52:
        bubbleSort(arr, n);
53:
54:
55:
        cout << "Sorted array is: \n";</pre>
        printArray(arr, n);
56:
57:
58:
        return 0;
59: }
```