```cpp
/*-----Bubble Sort without loop------*/

#include<iostream>
using namespace std;

void inputArray(int arr[], int n, int i)
{
    if(i < n)
    {
        cin >> arr[i];
        inputArray(arr, n, i + 1);
    }
}

void printArray(int arr[], int n, int i)
{
    if(i < n)
    {
        cout << arr[i] << " ";
        printArray(arr, n, i + 1);
    }
}


void swap(int arr[], int i, int j)
{
    int temp = arr[i];
    arr[i] = arr[j];
    arr[j] = temp;
}

void bubbleCompare(int arr[], int n, int i, int j)
{
    if(j < n - i - 1)
    {
        if(arr[j] > arr[j + 1])
        {
            swap(arr, j, j + 1);
        }
        bubbleCompare(arr, n, i, j + 1);
    }
}
void bubbleSort(int arr[], int n, int i)
{
    if(i < n - 1)
    {
```

```
47:         bubbleCompare(arr, n, i, 0);
48:         bubbleSort(arr, n, i + 1);
49:     }
50: }
51:
52: int main()
53: {
54:     int n;
55:     cout << "Enter the length: \n";
56:     cin >> n;
57:
58:     int arr[n];
59:     cout << "Enter the elements: \n";
60:     inputArray(arr, n, 0);
61:
62:     bubbleSort(arr, n, 0);
63:
64:     cout << "Sorted array is: \n";
65:     printArray(arr, n, 0);
66:
67:     return 0;
68: }
```