

## Bubble Sort (C++)

```
#include <iostream>

using namespace std;

int main() {
    int n;

    cout << "Enter number of elements: ";

    cin >> n;

    int a[n];

    cout << "Enter elements:\n";

    for(int i = 0; i < n; i++)

        cin >> a[i];

    for(int i = 0; i < n - 1; i++) {

        for(int j = 0; j < n - i - 1; j++) {

            if(a[j] > a[j + 1]) {

                int temp = a[j];

                a[j] = a[j + 1];

                a[j + 1] = temp;
            }
        }
    }

    cout << "Sorted array:\n";

    for(int i = 0; i < n; i++)

        cout << a[i] << " ";
}

return 0;
}
```

## Output

```
Enter number of elements: 3
```

```
Enter elements:
```

```
11
```

```
9
```

```
21
```

```
Sorted array:
```

```
9 11 21
```