

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int n;
6
7     cout << "Enter number of elements: ";
8     cin >> n;
9
10    int arr[n];
11
12    cout << "Enter elements:\n";
13    for(int i = 0; i < n; i++) {
14        cin >> arr[i];
15    }
16
17    // Insertion Sort
18    for(int i = 1; i < n; i++) {
19        int key = arr[i];
20        int j = i - 1;
21
22        // Move elements greater than key
23        while(j >= 0 && arr[j] > key) {
24            arr[j + 1] = arr[j];
25            j--;
26        }
    }
```

```
Enter number of elements: 5
Enter elements:
25 21 52 85 14
Sorted array:
14 21 25 52 85
==== Code Execution Successful ===
```

```
12     cout << "Enter elements:\n";
13     for(int i = 0; i < n; i++) {
14         cin >> arr[i];
15     }
16
17     // Insertion Sort
18     for(int i = 1; i < n; i++) {
19         int key = arr[i];
20         int j = i - 1;
21
22         // Move elements greater than key
23         while(j >= 0 && arr[j] > key) {
24             arr[j + 1] = arr[j];
25             j--;
26         }
27         arr[j + 1] = key;
28     }
29
30     cout << "Sorted array:\n";
31     for(int i = 0; i < n; i++) {
32         cout << arr[i] << " ";
33     }
34
35     return 0;
36 }
```

▲ Enter number of elements: 5
Enter elements:
25 21 52 85 14
Sorted array:
14 21 25 52 85

==== Code Execution Successful ===