

```

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 ===