

Algorithm for Program 5: Insertion Sort

Step 1: Start of Program

Step 2: Enter the array elements

Step 3: Create a function for insertion sort pass the array and size

Step 4: Inside the Function

Step 5: If the element is the first one, it is already sorted.

Step 6: Move to the next element

Step 7: Compare the current element with all the elements in the sorted List

Step 8: If the element in the sorted array is smaller than the current element, iterate to the next element. Otherwise, shift all the greater element in the array by one position towards the right

Step 9: Insert value at correct position

Step 10: Repeat until list is completed

Step 11: Print the array after each pass

Step 12: Print the Sorted array

Step 13: End of Program