

```

1  #include<stdio.h>
2  int main(){
3
4      /* Here i & j for loop counters, temp for swapping,
5       * count for total number of elements, number[] to
6       * store the input numbers in array. You can increase
7       * or decrease the size of number array as per requirement
8       */
9      int i, j, count, temp, number[25];
10
11     printf("How many numbers u are going to enter?: ");
12     scanf("%d",&count);
13
14     printf("Enter %d elements: ", count);
15     // This loop would store the input numbers in array
16     for(i=0;i<count;i++){
17         scanf("%d",&number[i]);
18
19     // Implementation of insertion sort algorithm
20     for(i=1;i<count;i++){
21         temp=number[i];
22         j=i-1;
23         while((temp<number[j])&&(j>=0)){
24             number[j+1]=number[j];
25             j=j-1;
26         }
27         number[j+1]=temp;
28     }
29
30     printf("Order of Sorted elements: ");
31     for(i=0;i<count;i++){
32         printf(" %d",number[i]);
33
34     return 0;
35 }

```