j = Iter - 1

Cur = Arr(Iter)

Arr(j) > Cur OR j>=0?

No

Arr(j+1) = Arr(j)

j = j - 1

Yes

Yes

Arr(j+1) = Cur

Display partial output

No

Yes

Len = Length of input

Iter = 1 (Iterations)

Iter < Len?

Error in Input?

Take string input from textbox or file

Sorted display

No