

## ALGORITHM

Step 1: Start

Step 2: Input array

Step 3:  $j = i$

Step 4: for  $i = 1$  to  $i < n - 1$

while ( $j > 1$  &&  $a[j] < a[j-1]$ )

if ( $a[j] < a[j-1]$ ) then,

temp =  $a[j]$

$a[j] = a[j-1]$

$a[j-1] = \text{temp}$ ,  $j = j - 1$

Step 5: Output sorted array

Step 6: Stop

## FLOWCHART

