

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 = $a[j]$

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

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

Step 5: Output sorted array

Step 6: Stop

FLOWCHART

