

GAYATHRI

4AL19CS035

Algorithm

Step 1: Start

Step 2: Input n

Step 3: Display Enter the array Elements

Repeat for $i=0$ to $n-1$

Input $a[i]$

Step 4: Repeat for $j=1$ to $n-1$

$i = j$

while ($i \geq 1$ && $a[i] < a[i-1]$)

if ($a[i] < a[i-1]$)

Ele = $a[i]$

$a[i] = a[i-1]$

$a[i-1] = \text{Ele}$

$i = i - 1$

[end For]

Step 5: Display After merge Sort

Repeat for $i=0$ to $n-1$

output $a[i]$

Step 6: Stop

Flowchart

