

Algorithm

* C prog to implement mergesort.

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 $i=0$ to $n-1$

$j=i$

while $[i > 1 \wedge a[i] < a[i-1]]$

if $[a[j] < a[j-1]]$

else = $a[j]$

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

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

Step 5: Display after merge sort

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

output $a[i]$

Step 6: stop.

Flowchart

