

Algorithm

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Step1: Start

Step2: Input n

Step3: Display enter the array elements.

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

Input $a[i]$

Step4: Repeat for $i=0$ to $n-1$

$j=i$

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

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

else $= a[j]$

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

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

Step5: Display after merge sort

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

output $a[i]$

Step6: Stop.

Flowchart

