

C program to implement Merge sort

Algorithm

1. Start
2. Input array
3. $j = i$
4. for $i > 1$ to $i < n-1$
 while ($j > 1$ & $a[j] < a[j-1]$)
 if ($a[j] < a[j-1]$) then
 temp = $a[j]$
 $a[j] = a[j-1]$
 $a[j-1] = temp, j = j-1$
5. Output sorted array
6. Stop

Flowchart

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