

C program to implement merge sort

1. Start
2. Input array
3. $j = i$
4. ~~for~~ $i = 1$ to $i < n - 1$
 while ($j \geq 1$ & $a[j] < a[j - 1]$)
 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.

