Write a c program to implement merge sort

Algorithm

Step 1 :- Start

Step 2 :- Input array

Step 3 :- $j = i$

Step 4 :- for $l = 1$ to $i < n-1$

     while ($j >= 1$ $a[j] < a[j-1]$)

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

         $temp = a[j]$

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

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

Step 5 : output sorted array

Step 6 :- Stop

Flowchart