

Program to implement bubble sort using pointers

Algorithm

Step 1: Start

Step 2: Read item

Step 3: for ($i=0$; $i < \text{item}$; $i++$)
read $a[i]$

Step 4: Stop

sort function to sort elements

Step 1: Entry

Step 2: initialize swap=1

Step 3: for ($j=0$; $j < \text{item} - (i+1)$; $j++$)
if ($a[j] > a[j+1]$)
temp = $a[j]$
 $a[j] = a[j+1]$
 $a[j+1] = \text{temp}$
swap = 1

Step 4: End

display function

Step 1: Entry

Step 2: Print "Sorted elements are"

Step 3: for ($i=0$; $i < \text{item}$; $i++$)
do
print $i.d$

Step 4: End.

Flow chart

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