

C program to find smallest element in an array

Algorithm:

1. Start
2. Input size
3. Display how many elements do you want to enter
4. Display enter %d elements
for ($i = 0$; $i < size$; $i++$)
input array[i]
5. if (array[0]
5.1 smallest = array[0]
5.2 second smallest = array[1]
5.3 goto step 10 and step 11
6. else
smallest = array[i]
second smallest = array[0]
goto step 10 and step 11
7. for ($i = 2$; $i < size$; $i++$)
8. if (array[i] < smallest)
second smallest = smallest
smallest = array[i]
goto step 10 and step 11
9. else if (array[i] < second smallest)
second smallest = array[i]
10. Print the second smallest element
11. stop.

Flowchart

