

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] < array[1])
 - 5.1 smallest = array[0]
 - 5.2 second smallest = array[1]
 - 5.3 go to step 10 and step 11
6. else
Smallest = array[1]
second smallest = array[0]
go to step 10 and step 11
7. for ($i=2; i < size; i++$)
8. if (array[i] < smallest)
second smallest = smallest
Smallest = array[i]
go to 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:

