

To find second smallest element in an array.

Algorithm

1. start
2. input size
3. Display how many elements you want to enter
4. Display enter 'i' d elements
for ($i = 0$; $i < \text{size}$; $i++$)
input array [i]
5. if (array [0] < array [1])
 - 5.1 smallest = array [0]
 - 5.2 second smallest = array [1]
 - 5.3 goto step 10 and step 11
6. else
smallest = array [1]
second smallest = array [0]
goto step 10 & step 11
7. for ($i = 2$; $i < \text{size}$; $i++$)
8. if (array [i] < smallest)
second smallest = smallest
smallest = array [i]
goto step 10 & step 11
9. else if (array [i] < second smallest)
second smallest = array [i]
10. print the second smallest element
11. stop.

Flow chart:

