

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  $n$  elements
5. for  $[i=0; i < size; i++]$

Input array  $[i]$

6. if  $(array[0] < array[1])$

S.1 smallest = array  $[0]$

S.2 second smallest = array  $[1]$

S.3 goto step 10 and step 11

6. else

smallest = array  $[1]$

second smallest = array  $[0]$

goto step 10 & step 11

7. for  $[i=2; i < size; i++]$

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

Flowchart:

