

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 o/d elements
for($i=0$; $i < \text{Size}$; $i++$)
input array $[i]$
5. if($\text{array}[0] < \text{array}[1]$)
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 and step 11.
7. for($i=2$; $i < \text{size}$; $i++$)
8. if($\text{array}[i] < \text{smallest}$)
second smallest = smallest
smallest = array $[i]$
goto step 10 and step 11
9. else if($\text{array}[i] < \text{second smallest}$)
second smallest = array $[i]$
10. Print the second smallest element
11. Stop.

Flowchart:

