

Step 1: Start.

Step 2: Input size.

Step 3: Display how many elements do you want to enter

Step 4: Display enter %d elements

for ( $i=0$ ;  $i < \text{size}$ ;  $i++$ )

Input array[i]

Step 5: if (array[0] < array[i])

Step 5.1: Smallest = array[0]

Step 5.2: second smallest = array[i]

Step 5.3: goto step 10 and step 11

Step 6: else.

Smallest = array[i]

second smallest = array[0]

goto step 10 and step 11

Step 7: for ( $i=2$ ;  $i < \text{size}$ ;  $i++$ )

Step 8: if (array[i] < Smallest)

second smallest = Smallest

goto step 10 & step 11

Step 9: else if (array[i] < second smallest)

second smallest = array[i]

Step 10: Print the second smallest element

Step 11: Stop

# Flow chart

