

Algorithm

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[1])

Step 5.1: smallest = array[0]

Step 5.2: secondsmallest = array[1]

Step 5.3: goto step 10 and step 11.

Step 6: else

smallest = array[1]

secondsmallest = array[0]

goto step 10 and step 11

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

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

secondsmallest = array[i]

goto step 10 and step 11

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

secondsmallest = array[i]

Step 10: Print the second smallest element

Step 11: Stop

Flowchart

