

Shetty. Sushnita - Rajeeva
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Algorithm

Step 1: Start

Step 2: Input n

Step 3: Enter the elements
for ($i=0; i < n; i++$)
Input $a[i]$

Step 4: if ($a[0] < a[1]$)
Small = $a[0]$
second smallest = $a[1]$

else
Small = $a[1]$
second smallest = $a[0]$

Step 5: for ($i=2; i < n; i++$)
if ($a[i] < \text{small}$)
second smallest = small
Small = $a[i]$

else if ($a[i] < \text{second smallest}$)
second smallest = $a[i]$

Step 6: Display second smallest element is
output second smallest.

Step 7: Stop.

Flowchart

