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HAL19 IS002

'G' section.

Algorithm

1. Start
2. Input size
3. Display how many elements do you want to enter
4. Display Enter 'i' elements
for ($i=0; i < \text{size}; i++$)
input array[i]
5. if ($\text{array}[0] < \text{array}[i]$)
 - 5.1 smallest = array[0]
 - 5.2 second smallest = array[i]
 - 5.3 goto step 10 & step 11
6. else
smallest = array[i]
second smallest = array[0]
goto step 10 & 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 & step 11
9. else if ($\text{array}[i] < \text{second smallest}$)
second smallest = array[i]
10. print the second smallest element
11. stop.

Flow chart

