Algorithm

Step 1 :- Start

Step 2 :- input Size

Step 3 :- Display how many elements do you want to order

Step 4 :- Display enter n'id elements

$for(i=0; i<size; i++)$

input array[i]

Step 5 : if(array[0]<array[1])

S-1: smaller = array[0]

S-2: second smallest = array[1]

S-3:- goto step 10 step11 step11

Step 6 : else

smallest = array[1]

second smallest = array[0]

goto step10 and step 11

Step 7 : $for(i=2; i<size; i++)$

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

second smallest = smallest

smallest = array[i]

goto step10 and step 11

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

second smallest = array[i]

Step 10: Print the second smallest element

Step 11 :- Stop.

Flowchart

Start

input size

print how many element do you want to enter

Read Size

Enter 'i' element

i=0

i<size — True / False

input array[i]

i++

array[0]<array[i] — True / False

Smallest = array[0]
Second Smallest = array[i]

Smallest = array[i]
Second Smallest = array[0]

i=2

i<size — True

array[i]<Smallest — True

Smallest = array[i]
Second Smallest = Smallest

array[i]<Second Smallest — True

i++

Print the Second Smallest element

Stop