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HAL19CS069
C Section

STUDENT'S NAME	
CLASS	SUBJECT
ROLL NO.	DATE

C Program to find Second Smallest in an array

Algorithm

Step 1: Start

Step 2: input Size

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

Step 4: Display enter 1st elements

for ($i=0; i < \text{Size}; i++$)
input array[i]

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

if Smallest = array[0]

SecondSmallest = array[1]

goto step 10 and 11

Step 6: else

Smallest = array[i]

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 = Smallest

Smallest = 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:-

