

C program to find second smallest animal in an array.

Algorithm:

Step 1: Start

Step 2: input size, array[100]

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

Step 4: Display and Enter the elements

for ($i=0$; $i < \text{size}$; $i++$)

input array[i]

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

Step 5.1: smallest = array[0]

Step 5.2: secondsmallest = array[i]

Step 5.3: goto ~~step 10~~ and ~~step 11~~ Step 7

Step 6: else

smallest = array[i]

secondsmallest = array[0]

~~goto~~

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

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

secondsmallest = smallest

smallest = array[i]

goto Step 10

Step 9: else if (array[i] > smallest)

secondsmallest = array[i]

Step 10: Display second smallest element is %d

input secondsmallest

Step 11: Stop

Flowchart:-

