

C program to find smallest and largest element in an array.

Algorithm: 0

Step 1:- Start

Step 2: input  $n, a[50]$

Step 3: Display how many elements

Step 4: Display Enter array elements  
for ( $i=0; i < n; i++$ )

input  $a[i]$

Step 5:  $large = small = a[0]$

Step 6: for ( $i=0; i < n; i++$ )

Step 6.1: if ( $a[i] > large$ )

Step 6.1.1:  $large = a[i]$

Step 6.2: if ( $a[i] < small$ )

Step 6.2.1:  $small = a[i]$

Step 7: Print the largest element

Step 8: Print the smallest element

Step 9: Stop.

Flow chart:

