

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

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### Algorithm

Step 1:- Start

Step 2:- Input  $n$ ,  $a[50]$ .

Step 3:- Display how many elements

Step 4:- Display Entire 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

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