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4AL19CS010

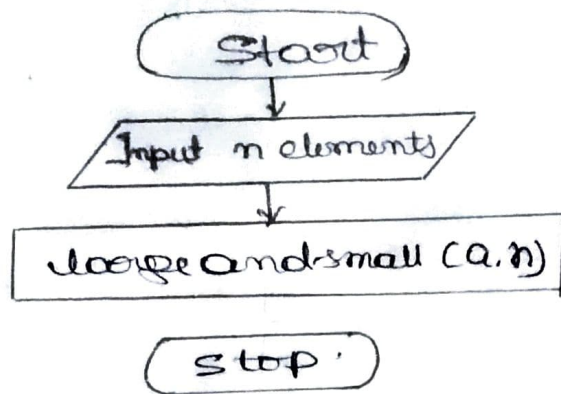Cprogram to find smallest and biggest element in an array.

Algorithm:

1. Start
2. Input n, elements.
3. for (i=0; i<n; i++)
4. large and small (a,n)
5. stop.

void large and small (int a[], uint n)

1. start
2. Input i, large, small.
3. large = small = a[0]
4. for (i=1; i<n; i++)
5. if (small > a[i])
   small = a[i]
6. if (a[i] > large)
   large = a[i]
7. output large & small
8. stop.

Flowchart

Start

Input n elements

large and small (a, n)

stop

void large and small (int a[], int n)

Start

Int i, large, small

large = small = a[0]

for (i = 1; i < n; i++)

if small > a[i]

small = a[i]

if large a[i]

large = a[i]

output large and small

Stop