

C Program to find smallest and biggest element in an array using function
Algorithm: 1

① Start

② input size

③ Enter the integer numbers

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

input $\text{arr}[i]$

④ $\text{large} = \text{largest}(\text{arr}, \text{size})$

⑤ $\text{small} = \text{smallest}(\text{arr}, \text{size})$

⑥ Display largest element, output large

⑦ Display smallest element, output small

⑧ Stop

$\text{largest} = (\text{int arr}[], \text{int size})$

① Enter

② $\text{temp1} = \text{arr}[0]$

③ for($i=1; i < \text{size}; i++$)

if ($\text{arr}[i] > \text{temp1}$)

$\text{temp1} = \text{arr}[i]$

④ return (temp1)

$\text{smallest} = (\text{int arr}[], \text{int size})$

① Enter

② $\text{temps} = \text{arr}[0]$

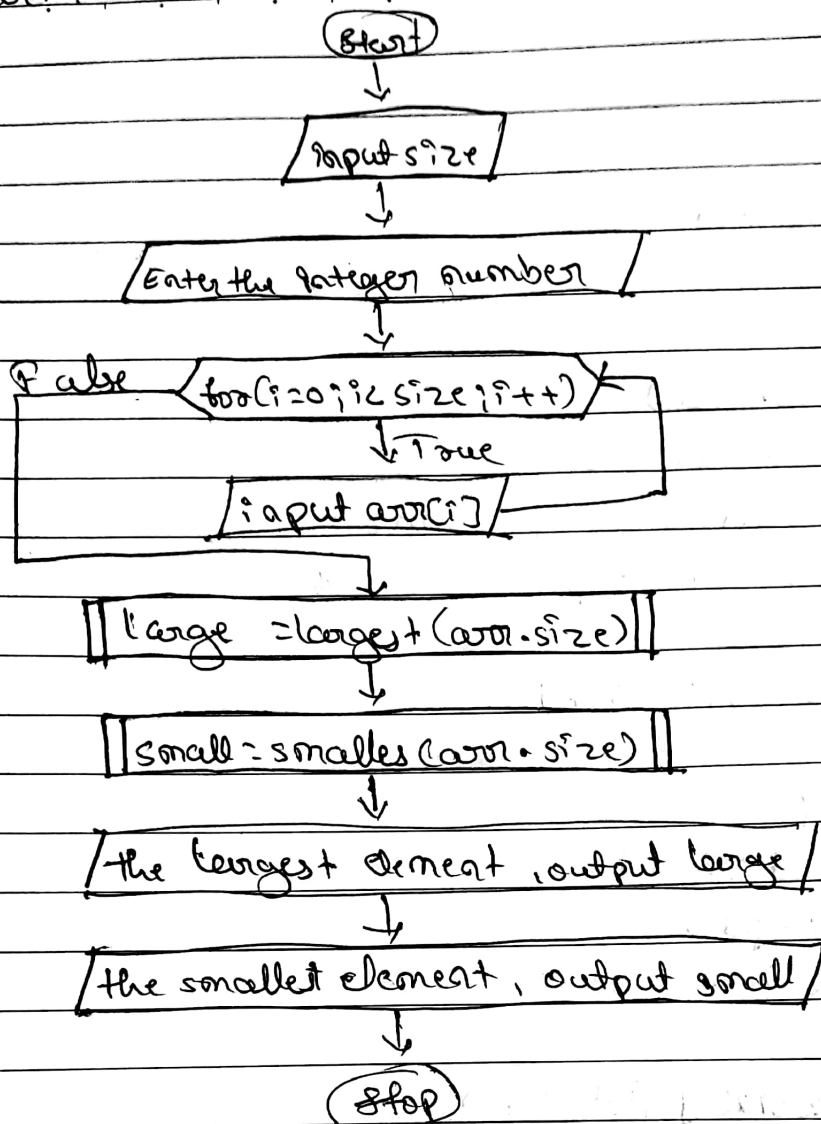
③ for($j=1; j < \text{size}; j++$)

if ($\text{temps} > \text{arr}[j]$)

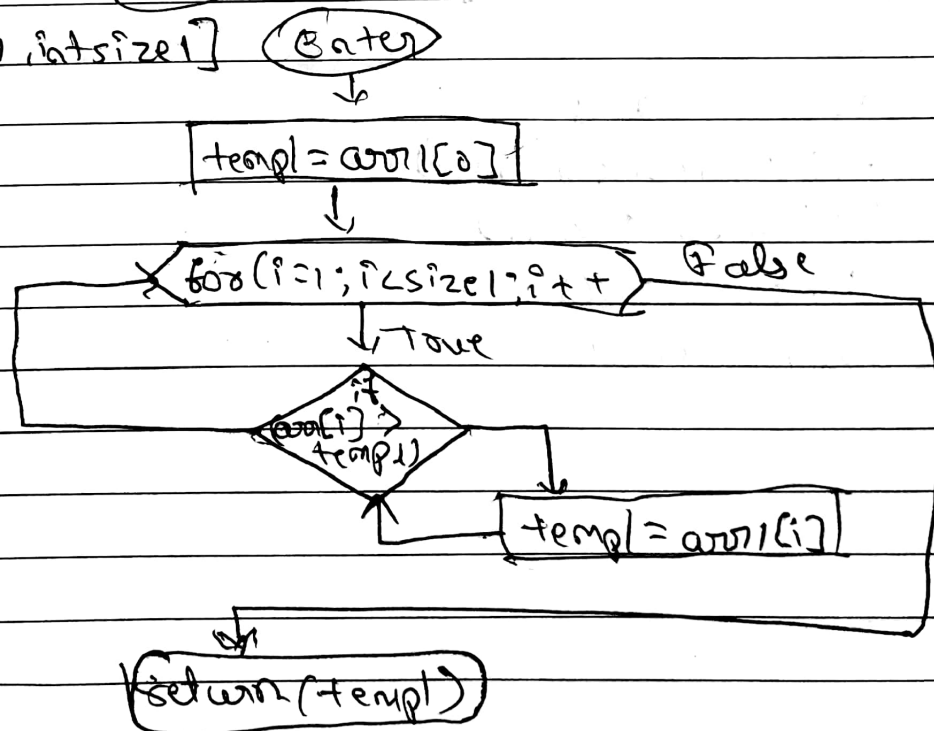
$\text{temps} = \text{arr}[j]$

④ return (temps)

Flowchart :-



largest [int arr[], int size]



Smallest (int arr[], int size)

Enter

temp = arr[0]

