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Input

```
5
11
23
56
98
39
```

Output

```
Enter size of array
5
Enter the elements of array
11  23  56  98  39
The biggest element in array is 98
The smallest element in array is 11
```

Smallest and Biggest Element of Array

Program -

```
#include <stdio.h>
int main()
{
    int a[20], big, small, i, n;
    printf (" Enter size of array \n");
    scanf ("%d", &n);
    printf (" Enter the elements of array \n");
    for (i=0; i<n; i++)
    {
        scanf ("%d", &a[i]);
    }
    big = a[0];
    small = a[0];
    for (i=0; i<n; i++)
    {
        if (a[i] > big)
        {
            big = a[i];
        }
        if (a[i] < small)
        {
            small = a[i];
        }
    }
    printf ("\n The biggest element in array
                                is %d", big);
    printf ("\n The smallest element in array is %d", small);
}
```

Algorithm

step1 - start

step2 - Input n

step3 - Repeat for (i=0; i<n; i++)

Input a[i]

[End for]

step4 - big = a[0]

step5 - small = a[0]

step6 - for(i=0; i<n; i++)

if (a[i] > big)

big = a[i]

if (a[i] < small)

small = a[i]

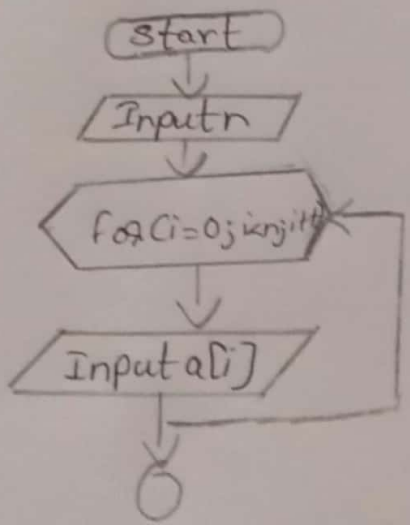
[End for]

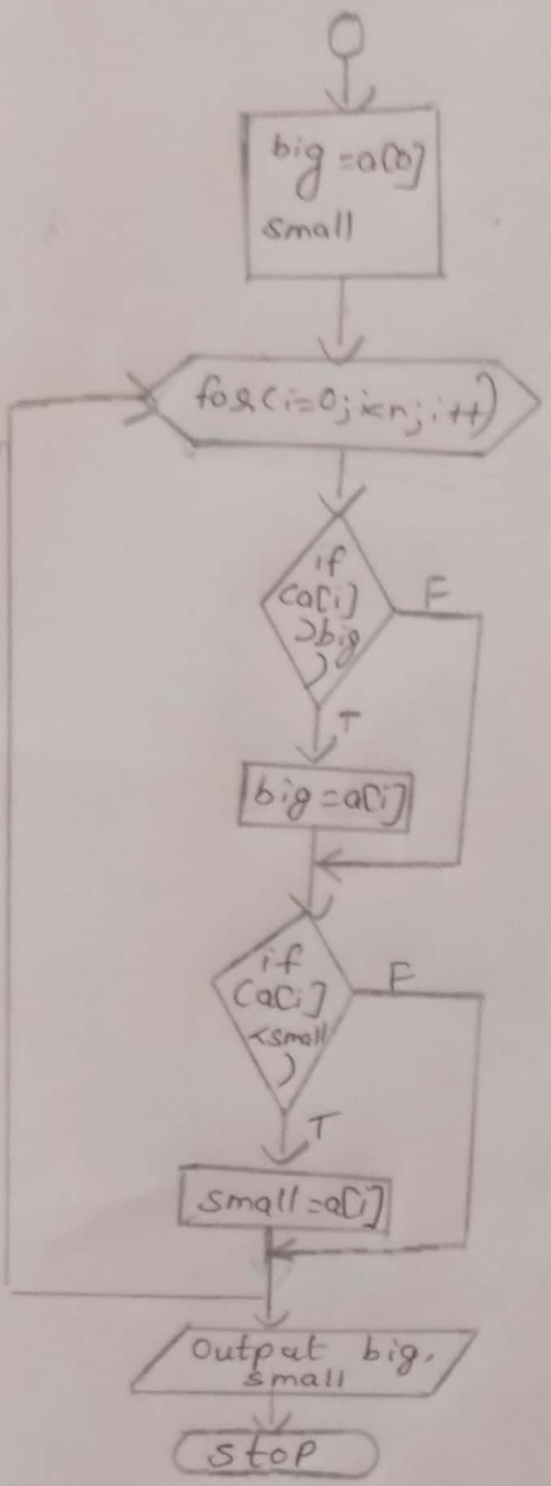
step7 - output big

step8 - output small

step9 - stop

Flowchart





output

Enter size of array

5

Enter the elements of array

11 23 56 98 39

The biggest element in array is 98.

The smallest element in array is 11.