Algorithm

int sumofarray(int a[], int n)

1. Start
2. Initialize min = max = a[0]
3. Repeat through 3.1

```
for(i=0; i<n; i++)
if (min > a[i])
        min = a[i]
if (max < a[i])
        max = a[i];
```

4. Print min
5. Print max
6. Stop

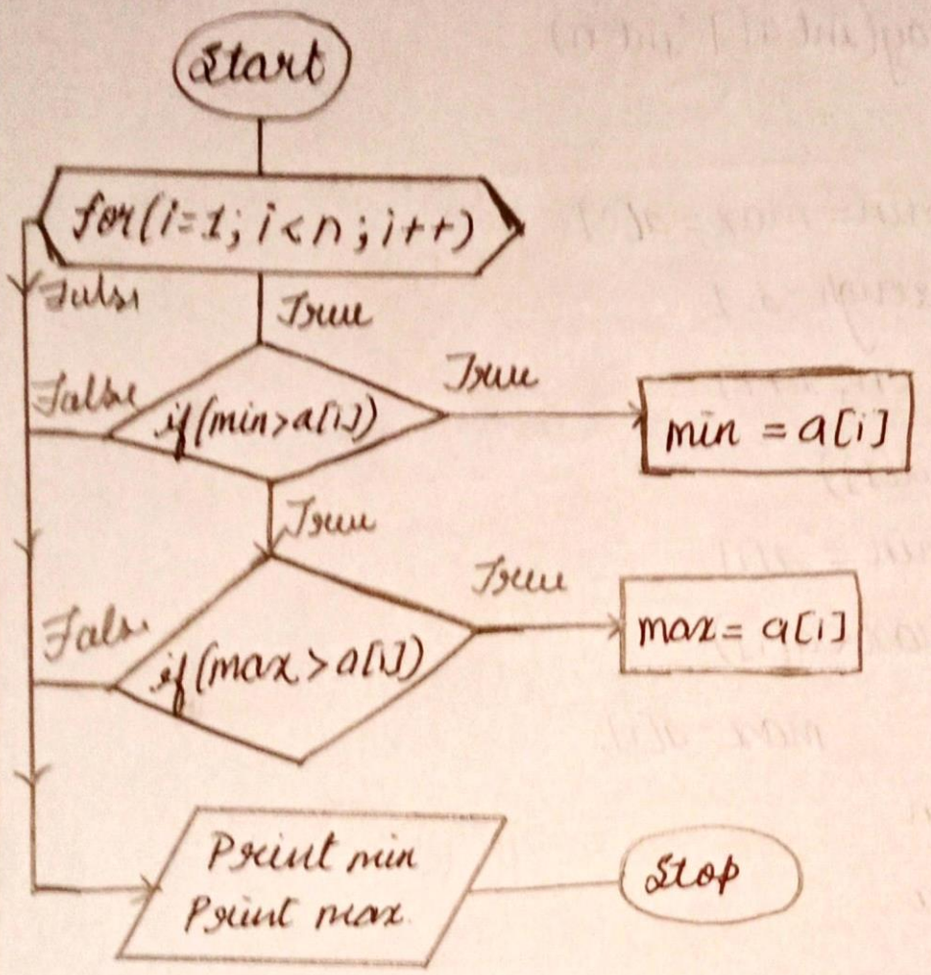
int main

1. Start
2. Input n
3. Repeat through 3.1

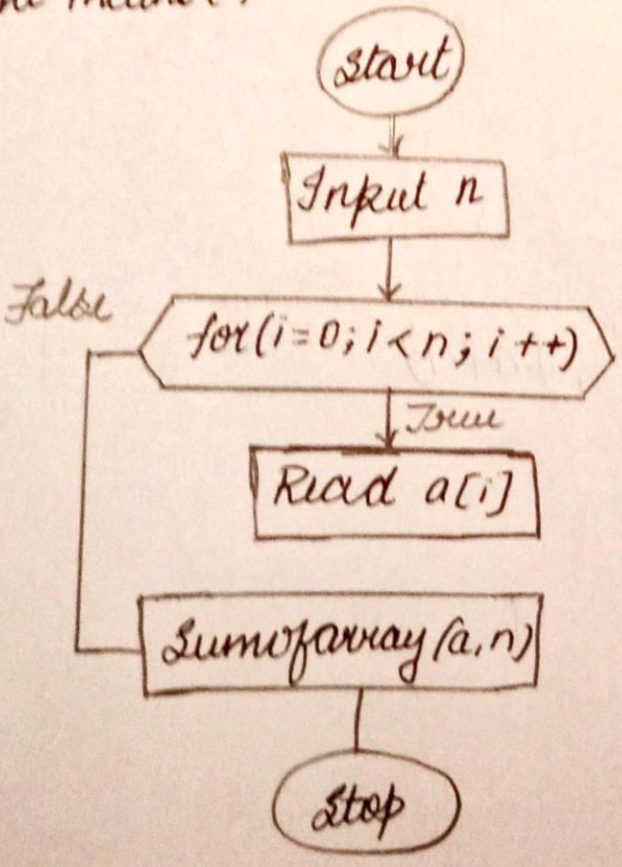
```
for(i=0; i<n; i++)
        scanf("%d", &a[i])
```

4. Sumofarray(a, n);
5. Stop.

Flowchart



int main()



Code, Compile & Run

Ide ✖ +

Contest Code/Name (e.g. JULY15/PRACTICE) | Problem Code/Name (e.g. TEST) | Select

C (gcc 6.3) ▾ Code gets autosaved every second

```c
#include <stdio.h>
int sumofarray(int a[],int n)
{
    int min,max,i;
    min=max=a[0];
    for(i=1; i<n; i++)
    {
        if(min>a[i])
        {
            min=a[i];
        }
        if(max<a[i])
        {
            max=a[i];
        }
    }
    printf("minimum of array is : %d",min);
    printf("\nmaximum of array is : %d",max);
 }
int main()
{
    int a[1000],i,n,sum;

```

0:0

Open File ✓Custom Input Run

Custom Input

```
5
4 37 38 28 3
```

Status Successfully executed Date 2020-06-30 05:47:18 Time 0 sec Mem 9.424 kB

Input

```
5
4 37 38 28 3
```

Output

```
Enter size of the array : Enter elements in array : minimum of array is : 3
maximum of array is : 38
```