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```
#include<stdio.h>
 2
    int main()
 3 + {
 4
         int a[20], small2, small, i, n;
 5
         printf("Enter size of array\n");
 6
         scanf("%d",&n);
 7
         printf("%d\n",n);
 8
         printf("Enter the elements of array\n");
 9
         for(i=0;i<n;i++)
10 -
             scanf("%d",&a[i]);
11
12
             printf("%d\t",a[i]);
13
14
         small=a[0];
15
         small2=a[1];
16
         if(n<2)
17 -
18
             printf("Invalid input\n");
19
         else
20
21 +
         for(i=0;i<n;i++)
22
23 +
24
                if(a[i]<small)
25 +
                  small2=small;
26
                  small=a[i];
27
28
             else
             if(a[i]<small2&&a[i]!=small)
29
30 +
31
                  small2=a[i];
32
33
34
         printf("\nThe second smallest element in array is %d", small2);
35
         return 0;
36
37
38
```

Input

```
5
12
98
24
63
50
```

Output

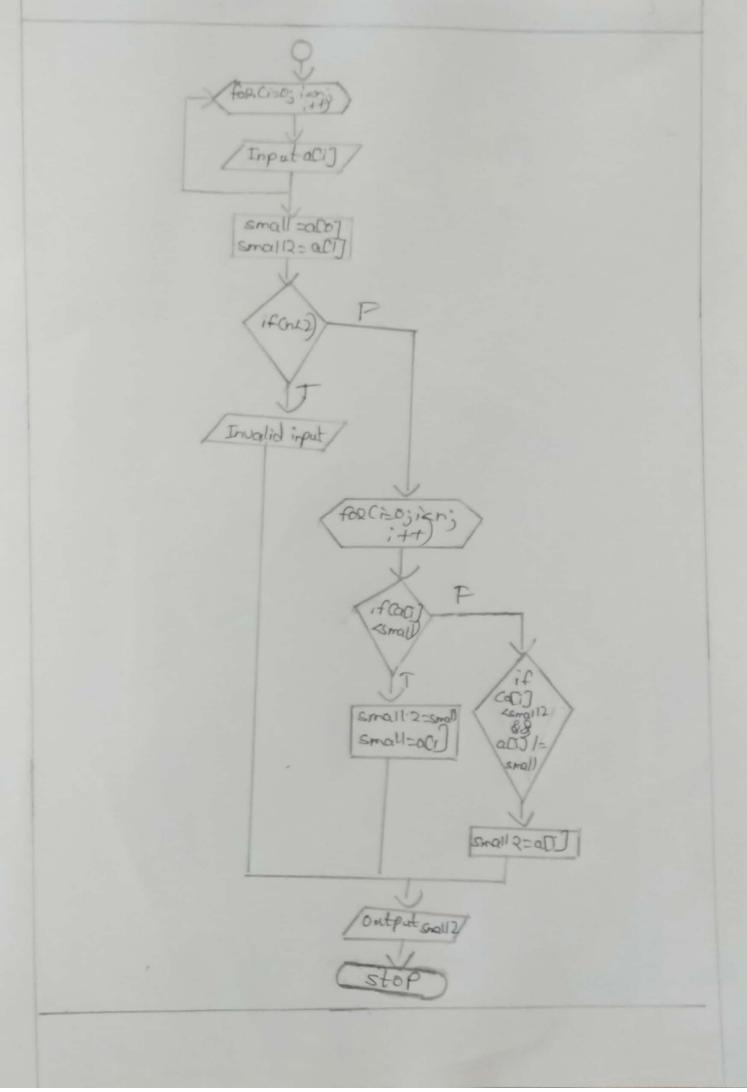
```
Enter size of array

5
Enter the elements of array
12 98 24 63 50
The second smallest element in array is 24
```

```
Decond Smallest element of Assay
# include (stdio.h)
int main ()
     int acro], small, small, i, n;
     Printf C'Enter size of assay (n");
     scanf ("1.d \n",n);
      paintf (" Enter the elements of assay in");
      foncisojikn; itt)
         scarf ( 1 d", bacij);
     small = aco7;
     small 2 = acij;
      if crea)
    & paintf("Invalid input In");
  2 fog (i=0; izn; i+1)
      1 if coli] (small)
        1 small 2 = small 5
            small = a[i];
         if cali] x small 2 & a [i] 1 = small)
          & malle = a[i];
       paintf ("In the second smallest element in
                       assoy is -1 d", small 2)
```

```
Algosithm
stepl -stagt
step2 - Input n
step3 - fogci=0; ian; itt)
           Input ali]
step 4 - Small= aco7
steps - small? a[1]
 step6 - if (nx2)
output "Invalid input"

step7 - foaci=0; izn; itt)
            if cacil x small)
               small = small
               small = ali]
           else
           if (aci] x anall 2 && aci] = anall)
              small? = a[i]
            (End if)
           CEND for
Step8 - Output small?
step9 - stop
                     Alowchost
               Start
               Input a[]
```



Output Enter size of array Enter the elements of assay 12 98 24 6350 The second smallest element in array is 24