## Algorithm

Step 1: Start

Step 2: Read a[10], n.i.j, temp

Step 3: for (i=0; i <n; i++)

for(j=0; jcn; j++)

Step 4: if (O[i]>a[j])

timp = a[i]

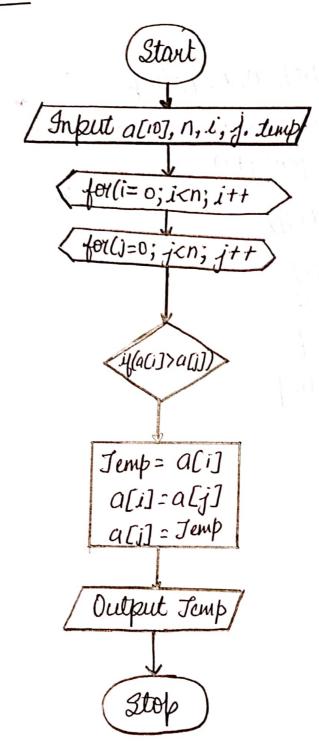
a[i] = a[j]

a[j] = timp

Step 5: Output temp

Step 6: Step.

## Flow chart:



1 10 Chillies

```
C (gcc 6.3)
                                   Code gets autosaved every second
       int main()
   3 - {
            int a[10],n,i,j,temp;
            printf("Enter the size of the array:");
            scanf("%d\n", &n);
printf("%d", n);
            printf("\n Enter the elements\n");
            for(i=0;i<n;i++)
   10
            {
                scanf("%d\n", &a[i]);
                printf("%d\t", a[i]);
  12
  13
  14
            for(i=0;i<n;i++)
  15 -
  16
                for(j=0;j<n;j++)
  17 -
                     if(a[i]>a[j])
  19
                     {
                          temp=a[i];
                          a[i]=a[j];
  22
                          a[j]=temp;
 0:0
   Open File
Custom Input
O
41
25
37
29
57
16
 Status Successfully executed
                              Date 2020-06-07 10:08:07
                                                        Time Osec
                                                                      Me
    Input
    6
    41
    25
    37
    29
    57
    16
    Output
    Enter the size of the array:6
     Enter the elements
    41 25 37 29 57 16
     Second smallest element in the array is :25
```