BUBBLE SORT :

PROGRAM:

```c
#include<stdio.h>

void Bubblesort(int A[],int n){
int temp,i,j;
for(i=0;i<n-1;i++){
for(j=0;j<n-i-1;j++){
if(A[j]>A[j+1]){
temp=A[j];
A[j]=A[j+1];
A[j+1]=temp;
}
}
}
}

void main(){
int A[20];
int n,i,j;
printf("enter the value of n\n");
scanf("%d",&n);
printf("enter the elements\n");
for(i=0;i<n;i++){
scanf("%d",&A[i]);
}
Bubblesort( A, n);
printf("The sorted array\n");
for(int i=0;i<n;i++){
printf("%d\n",A[i]);
}
}
```

OUTPUT SCREENSHOT: