## BUBBLE SORT:

## PROGRAM:

```
#include<stdio.h>

void Bubblesort(int A[],int n){
  int temp,i,j;
  for(j=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]);
}</pre>
```

## **OUTPUT SCREENSHOT:**

```
#I Select D.ADA\u00e4bs\ada_leb\u00e4bubblesortexe
enter the value of n
4
enter the elements
2
3
1
4
The sorted array
1
2
3
4
Process returned 4 (0x4) execution time : 14.953 s
Press any key to continue.
```