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Program: Bubble sort

#include<stdio.h>  
int main()  
{  
int i,j,a[20],n,temp;  
printf("\n enter the value of n:");  
scanf("%d",&n);  
printf("\n enter the elements:");  
for(i=0;i<n;i++)  
{  
scanf("\t%d",&a[i]);  
}  
for(i=0;i<n-1;i++)  
{  
for(j=0;j<n-1;j++)  
{  
if(a[j]>a[j+1])  
{  
temp=a[j];  
a[j]=a[j+1];  
a[j+1]=temp;  
}  
}  
}  
printf("\n sorted elements:");  
for(i=0;i<n;i++)  
printf( "%d \t",a[i]);  
}