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WRITE A C PROGRAM FOR SORTING USING BUBBLE SORT METHOD.

```
1. #include<stdio.h>
2.
3. void bubble(int a[],int n);
4.
5. int main(){
6.     int a[100],n,i;
7.
8.     printf("Enter your Limit ");
9.     scanf("%d",&n);
10.    for(i=0;i<n;i++){
11.        printf("Enter %d Data ",i+1);
12.        scanf("%d",&a[i]);
13.    }
14.
15. bubble(&a[0],n);
16.
17. printf("Data Shorted Successfully\n");
18. for(i=0;i<n;i++){
19.     printf("%d ",a[i]);
20. }
21.     return 0;
22. }
23. void bubble(int *a,int n){
24.     int pass,i,temp;
25.     for(pass=0;pass<n-1;pass++){
26.         for(i=0;i<n-1;i++){
27.             if(a[i]>a[i+1]){
28.                 temp=a[i];
29.                 a[i]=a[i+1];
```

```
30.         a[i+1]=temp;  
31.     }  
32. }  
33.  
34. }  
35. }
```

OUTPUT

```
Enter your Limit 5  
Enter 1 Data 20  
Enter 2 Data 10  
Enter 3 Data 40  
Enter 4 Data 30  
Enter 5 Data 25  
Data Shorted Successfully  
10 20 25 30 40
```

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