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4 #include<stdio.h>
5 int main()
6 {
7     int n,i,j,arr[11],swap;
8     printf("Enter number of elements you want to sort: ");
9     scanf("%d",&n);
10    printf("Enter %d integers\n",n);
11    for(i=0;i<n;i++) //for storing the elements
12    {
13        scanf("%d",&arr[i]);
14    }
15    for(i=0;i<n-1;i++) //pass
16    {
17        for(j=0;j<n-i-1;j++)
18        {
19            if(arr[j]>arr[j+1])
20            {
21                swap=arr[j];
22                arr[j]=arr[j+1];
23                arr[j+1]=swap;
24            }
25        }
26    }
27    printf("Bubble sort for the given order is\n");
28    for(i=0;i<n;i++) //for printing the bubble sort order
29    {
30        printf("%d\n",arr[i]);
31    }
32    return 0;
33 }
```