#include<stdio.h>

int i, arr[20], n, j, temp;

void inssort()

{

for(i = 1; i < n; i++)

{

j = i-1;

temp = arr[i];

while(arr[j] > temp && j >= 0)

{

arr[j+1] = arr[j];

j--;

}

arr[j+1] = temp;

}

}

void display()

{

for(i = 0; i < n; i++)

printf("%d ",arr[i]);

}

int main()

{

printf(" Enter Number of ELements : ");

scanf("%d",&n);

printf(" Enter Elements : \n");

for(i = 0; i < n; i++)

scanf("%d",&arr[i]);

printf(" Array after Sorting\n");

inssort();

display();

return 0;

}

