//insertion\_Sort

#include <iostream>

using namespace std;

void insertion\_sort(int a[],int n){

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

int j=i-1;

int e=a[i];

while(j>=0 and a[j]>e){

a[j+1]=a[j];

j=j-1;

}a[j+1]=e;

}

}

int main()

{

int n;

cout<<"enter n =";

cin>>n;

int a[100];

cout<<"enter array =";

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

cin>>a[i];

}

cout<<"sorted array =";

insertion\_sort(a,n);

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

cout<<a[i]<<" ";

}

return 0;

}