#include<stdio.h>

#include<conio.h>

#include<process.h>

int main()

{

int i,j,k,a[25],m,key,count=0;

printf("enter the value of m\n");

scanf("%d",&m);

count++;

printf("enter the value for sorting\n");

for(k=0;k<m;k++)

{ count++;

scanf("%d",&a[k]);

}

printf("insertion sort \n");

//method

for(j=1;j<m;j++)

{

count++;

key=a[j];

i=j-1;

while(i>=0&&a[i]>key)

{

count++;

a[i+1]=a[i];

i=i-1;

}

a[i+1]=key;

} //

printf("sorted number");

for(k=0;k<m;k++)

{

count++;

printf("%d\n",a[k]);

}

printf(" count is\n%d",count);

}

