1. Write a C program to arrange a series of numbers using Insertion Sort

#include<stdio.h>

#include<conio.h>

int main()

{

int a[10],i,j,k,n;

int clrscr( );

printf("How many elements you want to sort?\n");

scanf("%d",&n);

printf("\nEnter the Elements into an array:\n");

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

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

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

{

k=a[i];

for(j= i-1; j>=0 && k<a[j]; j--)

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

a[j+1]=k;

} printf("\n\n Elements after sorting: \n");

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

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

getch( );

}

