```c
#include<stdio.h>
void insertionsort(int arr[],int n)
{
for(int i=1;i<n;i++)
{
int key=arr[i];
int j=i-1;
while(j>=0 && arr[j]>key)
{
arr[j+1]=arr[j];
j--;
}arr[j+1]=key;
}
}
int main()
{
int n;
printf("\n enter the number of elements");
scanf("%d",&n);
int arr[n];
printf("\n enter %d elemnts",n);
for(int i=0;i<n;i++)
{
scanf("%d",&arr[i]);
printf(
\n original array");
for(int i=0;i<n;i++)
{
printf("%d",arr[i]);
}
insertionsort(arr,n);
printf("\n sorted array");
for(int i=0;i<n;i++)
{
printf("%d",arr[i]);
}
```