insertionsort

```c
#include<stdio.h>
void insertion(int x[],int n)
{
int k,i,key;
for(k=1;k<n;k++)
{
key=x[k];
for(i=k-1;x[i]>key && i>=0;i--)
x[i+1]=x[i];
x[i+1]=key;
}
}

void main()
{
int i,n,x[10];
void insertion(int x[],int);
printf("\nHow Many Values:");
scanf("%d",&n);
printf("Enter Actual Values:\n");
for(i=0;i<n;i++)
{
scanf("%d",&x[i]);
}
insertion(x,n);
printf("\nThe Sorted Elements Are:\n");
for(i=0;i<n;i++)
{
printf("%d\t",x[i]);
}
}
/*
  output->

    How Many Values : 5

    Enter Actual Values : 42
                68
                11
                23
                10

    The Sorted Element Are :

    10  11  23  42  68

    */
```