



```

#include<stdio.h>
#include<conio.h>
#include<stdlib.h>

void insert(int x[ ],int n)
{
int pos,y, i;
for (pos=1;pos<n;pos++)
{
    y=x[pos];
    for(i=pos-1;i>=0&&y<x[i];i--)
        x[i+1]=x[i];

    x[i+1]=y;
    printf("At End of Pass %d:\n",pos);
    for(i=0;i<n;i++)
        printf("%d\t",x[i]);
    printf("\n");
}
}

void main( )
{
int *info,n,i;
printf("feed no of data items\n");
scanf("%d",&n);

info=(int *)malloc(sizeof(int)*n);

printf("feed in the values\n");
for(i=0;i<n;i++)
    scanf("%d",&info[i]);

insert(info,n);

printf("the list data is as follows\n");
for(i=0;i<n;i++)
    printf("%d\t",info[i]);
getch();
}

```