```
#include<stdio.h>
#include<conio.h>
int partition(int a[],int low,int high)
int i,j,temp,key;
key=a[low],i=low+1,j=high;
while(1)
while(i<high&&key>=a[i])
while(key<a[j])</pre>
j--;
if(i<j)
temp=a[i],a[i]=a[j],a[j]=temp;
else
temp=a[low],a[low]=a[j],a[j]=temp;
return j;
void quicksort(int a[],int low,int high)
int j;
if(low<high)</pre>
j=partition(a,low,high);
quicksort(a,low,j-1);
quicksort(a,j+1,high);
void main()
int i,n,a[20];
clrscr();
printf("Enter the value for n\n");
scanf("%d",&n);
printf("Enter the number to be sorted\n");
for(i=0;i<n;i++)
scanf("%d",&a[i]);
quicksort (a, 0, n-1);
printf("The sorted list is\n");
for(i=0;i<n;i++)
printf("%d\n",a[i]);
getch();
}
```