```
#include<stdio.h>
void quicksort(int a[25],int first,int last)
{
 int i, j, pivot, temp;
 if(first<last){
 pivot=first;
 i=first;
 j=last;
 while(i<j){
 while(a[i]<=a[pivot] && i<last)
 i++;
 while(a[j]>a[pivot])
 j--;
 if(i<j){
 temp=a[i];
 a[i]=a[j];
 a[j]=temp;
 }
 }
 temp=a[pivot];
 a[pivot]=a[j];
 a[j]=temp;
 quicksort(a,first,j-1);
 quicksort(a,j+1,last);

 }
}

int main()
{
 int i, n, a[25];
```

```
printf("Enter total no.of elements: ");
scanf("%d",&n);

printf("Enter the elements: ");
for(i=0;i<n;i++)
scanf("%d",&a[i]);

quicksort(a,0,n-1);

printf("Sorted Array: ");
for(i=0;i<n;i++)
printf(" %d",a[i]);
return 0;
}
```