#include <stdio.h>

void quicksort(int number[25],int first,int last)

{

int i,j,pivot,temp;

if(first<last)

{

pivot=first;

i=first;

j=last;

while(i<j)

{

while(number[i]<=number[pivot]&&i<last)

i++;

while(number[j]>number[pivot])

j--;

if(i<j)

{

temp=number[i];

number[i]=number[j];

number[j]=temp;

}

}

temp=number[pivot];

number[pivot]=number[j];

number[j]=temp;

quicksort(number,first,j-1);

quicksort(number,j+1,last);

}

}

int main()

{

int i,count,number[25];

clrscr();

printf("How many elements ae u going to enter?: ");

scanf("%d",&count);

printf("Enter %d elements: ",count);

for(i=0;i<count;i++)

scanf("%d",&number[i]);

quicksort(number,0,count-1);

printf("Order of sorted elements: ");

for(i=0;i<count;i++)

printf("%d\t",number[i]);

getch();

return 0;

}

