// 18. Write a C program to arrange a series of numbers using Quick Sort

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#include<stdio.h>
void quicksort(int number[25],int first,int last){
  int i, j, pivot, temp;
  if(first<last){</pre>
    pivot=first;
    i=first;
   j=last;
    while(i<j){
     while(number[i]<=number[pivot]&&i<last)</pre>
     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];
  printf("ENTER THE NUMBER OF ELEMENTS: ");
  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",number[i]);
  return 0;
}
```

