实验三 快速排序

**def** quick\_sort (arr,low,high):*#快速排序* i = low  
 j= high  
 **if** i >=j:  
 **return** arr  
 temp = arr[i]  
 **while** i < j:  
 **while** i < j **and** arr [j] >= temp:  
 j = j-1  
 arr[i] = arr[j]  
 **while** i < j **and** arr[i] <= temp:  
 i =i +1  
 arr[j]= arr[i]  
 arr[i]=temp  
 quick\_sort(arr,low,i-1)  
 quick\_sort(arr,j+1,high)  
 **return** arr  
  
**if** \_\_name\_\_ == **"\_\_main\_\_"**:  
 a = [10,3,-3,6,0,1,4,5,11,8,97]  
 quick\_sort(a,0,len(a)-1)  
 print (a)

