def partition(arr,low,high):

print("partion",arr)

pivot=arr[high]

index=low

current=low

while(current<high):

if(arr[current]<=pivot):

arr[index],arr[current]=arr[current],arr[index]

index=index+1

current=current+1

arr[high],arr[index]=arr[index],arr[high]

print("partition",arr)

return index

def quicksort(arr,low,high):

if(low<high):

index=partition(arr,low,high)

quicksort(arr,low,index-1)

quicksort(arr,index+1,high)

if \_\_name\_\_=="\_\_main\_\_":

arr=[10,7,8,9,1,5]

n=len(arr)

print("he")

quicksort(arr,0,n-1)

print("sorted array is :")

for i in range(n):

print("%d" %arr[i])