**QuickSort**

from datetime import datetime  
start\_time=datetime.now()  
def quicksort(start, end):  
 if end-start>1:  
 a=ar[end-1]  
 s=start  
 for i in range(start,end):  
 if a>=ar[i]:  
 ar[s],ar[i]=ar[i],ar[s]  
 s=s+1  
 quicksort(start,s-1)  
 quicksort(s,end)  
 return ar  
  
  
n=int(input("Enter the size of the list= "))  
ar=list(map(int, input("Enter the array elements= ").split(',')))  
print("The sorted Array is = ",quicksort(0, n))  
  
end\_time=datetime.now()  
print('Starting-time= ',start\_time)  
print('Ending-time= ',end\_time)  
print('Excution-Taken-Time= ',end\_time-start\_time)

Graphical user interface, text, application, email

Description automatically generated