*"""*

*Write a python program to store first year percentage of students in array.*

*Write function for sorting array of floating point numbers in ascending order using*

*Quick sort and display top five scores """*

def partition(A,l,h) : pivot=A[l]

i=l j=h

while(i<=j) :

*#while(i<=l and A[i]<=A[l]) :*

while(A[i]<=A[l]): i = i + 1

while(A[j] >A[l]) : j = j - 1

if(i<j) :

temp = A[i] A[i] = A[j]

A[j] = temp temp = A[l]

A[l] = A[j]

A[j] = temp return j

def Quicksort(A,l,h) : if(l<h) :

mid=partition(A,l,h) Quicksort(A,l,mid-1) Quicksort(A,mid+1,h)

A=[]

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*Quick\_Sort\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*")

Num = int(input("Enter the number of students: ")) for i in range(Num):

per = float(input("Enter the percentage marks: ")) A.append(per)

Quicksort(A,0,Num-1) print("Sorted array is:") for i in range(len(A)):

print("%f" % A[i])