Algorithms

***Insertion Sort – O(N^2)***

for i in range(1, len(arr)):

key = arr[i]

j = i-1

while j >= 0 and key < arr[j] :

arr[j + 1] = arr[j]

j -= 1

arr[j + 1] = key

for(int i=1; i<arr.length;i++){

int key = arr[i];

int j = i-1;

while(j>0 && arr[j]>key){

arr[j+1] = arr[j];

j--;

}

arr[j+1]=key;

}

***Bubble Sort – (Average – O(N^2)***

for i in range(0,len(arr)):

for j in range (0,len(arr)-i-1):

if(arr[j]>arr[j+1]):

arr[j],arr[j+1] = arr[j+1],arr[j]

print(arr)