**Q. Write a program to demonstrate insertion sort Algorithm.**

**program**:

def insertionSort(arr):

for i in range(1, n):

key = arr[i]

j = i-1

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

arr[j+1] = arr[j]

j -= 1

arr[j+1] = key

arr=[]

n=int(input("Enter the number of elements:"))

for i in range(0,n):

k=int(input())

arr.append(k)

insertionSort(arr)

print ("The sorted array is:")

for i in range(len(arr)):

print (arr[i])

**output:**

Enter the number of elements:5

3

7

2

6

9

The sorted array is:

2

3

6

7

9