**Roll No : 04**

**Name : Badhe Rohan Vikas**

**Assignment No : 5.1**

**Assignment Name : Develop programs for Data structure algorithms using python- Searching, Sorting and hash tables(Linear search)**

def Lin\_Search(arr,ele,len):  
 for i in range(0,len):  
 if (arr[i] == ele):  
 return i+1  
 return -1  
a = int(input("Enter Number of Elements: "))  
arr = []  
for i in range(a):  
 arr.append(int(input("Enter Element :")))  
print(arr)  
  
element = int(input("Enter Element to Search :"))  
length=len(arr)  
  
res=Lin\_Search(arr,element,length)  
  
if(res == -1):  
 print("Element is not found")  
else:  
 print("Element found at index", res)

**Output :**

