**Roll No:128**

**Name: Vaishnavi Vishnu Tayade.**

**Assignment No:5.1**

**Assignment Name:Develop programmes for data structure algorithms using python-searching,sorting and hash tables(Linear Search).**

**----------------------------------------------------------------**

**def** lin\_search(arry,ele,len):  
 **for** i **in** range(0,len):  
 **if**(arry[i]==ele):  
 **return** i  
 **return** -1  
len=int(input(**"Enter number of elements: "**))  
arry = []  
  
**for** i **in** range(len):  
 arry.append(int(input(**"Enter Element: "**)))  
print(arry)  
  
element=int(input(**"Enter the element: "**))  
print(element)  
  
result=lin\_search(arry,element,len)  
**if**(result == -1):  
 print(**"Element is not found in a list"**)  
**else**:  
 print(**"Element is found at index: "**,result+1)

**Output:**

