**Roll No :-73**

**Name :-NEMADE NISHA KAILAS**

**Assignment No :-5**

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

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

OUTPUT :-

