**Assignment No:-05**

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

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

**Output:-**