Roll No : - 04



Name : - Badhe Rohan Vikas

Assignment No : - 8

Assignment : - Write a program for use of Linear Search Algorithm to search element in list .

**def** linear\_Search(list1, n, key):  
 *# Searching list1 sequentially* **for** i **in** range(0, n):  
 **if** (list1[i] == key):  
 **return** i  
 **return** -1  
  
  
list1 = [1, 3, 5, 4, 7, 9]  
key = 3  
  
n = len(list1)  
res = linear\_Search(list1, n, key)  
**if** (res == -1):  
 print(**"Element not found"**)  
**else**:  
 print(**"Element found at index: "**, res)

**OUTPUT :**

**Element found at index:1**