

**PYTHON LIST  
CLASS XI  
(MODULE-4)**

**BY**

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**SUMMARY OF PYTHON LIST**

**List methods**

removing elements from a list

**Python Linear search on list**

List Creation

Program for Linear Search

```
L = []
found = False
n = int(input("Enter size of list"))
for i in range(n):
    num = int(input("Enter a number: "))
    L.append(num) print("List:",L)
X = int(input("Enter a number to search:"))
for i in range(len(L)):
    if L[i] ==X:
        found = True
        print(X , "found at position", i+1)
        break    else:
print("Unsuccessful search")
```

find the largest number in a list  
working with multi dimensional list  
Program to add two matrices using nested loop  
program to remove duplicate elements

```
List1 = []
n = int(input("Enter the number of elements in the list:"))
for i in range(0,n):
    list1.append(input("Enter the element:"))
print("List1=", list1)
# Declare an empty list that will store unique values
list2 = []
for i in list1:
    if i not in list2:
        list2.append(i)
print("List2=",list2)
```