

### Python Programming - 2301CS404

Lab - 5

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#### List

01) WAP to find sum of all the elements in a List.

Sum : 125

02) WAP to find largest element in a List.

```
In [6]: l = [12,34,21,13,45]
    max = 1[0]
    for i in l:
        if (max < i):
            max = i
    print("Max : ",max)</pre>
```

Max : 45

03) WAP to find the length of a List.

```
In [8]: 1 = [12,34,21,13,45]
length = 0
for i in 1:
    length += 1
print("Length Of List : ",length)
```

```
Length Of List: 0
```

#### 04) WAP to interchange first and last elements in a list.

### 05) WAP to split the List into two parts and append the first part to the end.

### 06) WAP to interchange the elements on two positions entered by a user.

[12, 1, 3, 2, 5, 6, 7, 9]

#### 07) WAP to reverse the list entered by user.

#### 08) WAP to print even numbers in a list.

[2, 4]

#### 09) WAP to count unique items in a list.

#### 10) WAP to copy a list.

#### 11) WAP to print all odd numbers in a given range.

```
In [42]: start = int(input("Enter the Starting Point : "))
    end = int(input("Enter the Ending Point : "))
    for i in range(start,end+1):
        if (i % 2 != 0):
            print(i)

1
3
5
7
9
```

#### 12) WAP to count occurrences of an element in a list.

#### 13) WAP to find second largest number in a list.

14) WAP to extract elements with frequency greater than K.

15) WAP to create a list of squared numbers from 0 to 9 with and without using List Comprehension.

16) WAP to create a new list (fruit whose name starts with 'b') from the list of fruits given by user.

```
In [67]: n = int(input("Enter the size : "))
l = list()
fruits = list()
for i in range(0,n):
    fruits.append(input("Enter the Fruit Name : "))

for fruit in fruits:
    if(fruit[0] == 'b'):
        l.append(fruit)
print(l)

['banana', 'blue bary']
```

file:///C:/Users/Lenovo/Downloads/Python Programming - Lab - 5.html

Second Largest: 4

## 17) WAP to create a list of common elements from given two lists.

[1, 3, 5]