

**Exercise 1**

Write a program create list with N elements. Find all unique elements in the list. If an element is found only once in the list, then add that element to the unique list.

**Code**

```
lst = []
unique_list = []
counter = 0
n = int(input("Enter number of elements: "))

for i in range(1, n+1):
    lst.append(int(input(f'Enter element {i}: ')))

for i in lst:
    if lst.count(i) < 2:
        counter +=1
        unique_list.append(i)

if counter == 0:
    print('There are no unique elements in the List.')
else:
    print(f'The unique element(s) in the List are: {unique_list}')
```

**Output**

|   |   |
|---|---|
| Enter number of elements: 5<br>Enter element 1: 10<br>Enter element 2: 20<br>Enter element 3: 20<br>Enter element 4: 30<br>Enter element 5: 30<br>The unique element(s) in the List are: [10] | Enter number of elements: 5<br>Enter element 1: 10<br>Enter element 2: 10<br>Enter element 3: 10<br>Enter element 4: 10<br>Enter element 5: 10<br>There are no unique elements in the List. |
|---|---|

|                    |                          |
|--------------------|--------------------------|
| Date of Submission | Signature of the Faculty |
| Remarks            |                          |