1. Write a python function that returns the index of the smallest element in a list of integers. If the number of such elements is greater than 1, return the smallest index. Use the following function header: def indexOfSmallestElement(lst):

In [32]:

```
def indexOfSmallestElement(lst):
    min_list = lst[0]
    first=0
    for i in range(len(lst)):
        if lst[i] < min_list:
            min_list = lst[i]
            first = i
    print('Minimum Element Is :',min_list, 'First Occurance of Element Index Is : ',first)
```

In [33]:

```
#Test Case1:
indexOfSmallestElement([10,20,34,9,9])
```

```
Minimum Element Is : 9 First Occurance of Element Index Is :  3
```

In [34]:

```
# Test Case 2:
indexOfSmallestElement([0,-1,2,-10,11,-10])
```

```
Minimum Element Is : -10 First Occurance of Element Index Is :  3
```

In [35]:

```
# Test Case 3:
indexOfSmallestElement([1,1,2,3,1])
```

```
Minimum Element Is : 1 First Occurance of Element Index Is :  0
```

2. Write the python function mostCommonName, that takes a list of names (such as ["Ja ne", "Aaron", "Cindy", "Aaron"], and returns the most common name in this list (in this case, "Aaron"). If there is more than one such name, return a set of the most common names. So mostCommonName(["Jane", "Aaron", "Jane", "Cindy", "Aaron"]) returns the set {"Aaron", "Jane"}. If the set is empty, return None. Also, treat names case sensitive, so "Jane" and "JANE" are different names.

In [69]:

```
def mostCommonName(list1):
    if len(list1)==0:
        print('None')
    for i in range(0,len(list1)):
        c=1
        for j in range(i+1,len(list1)):
            if list1[i] == list1[j]:
                c=c+1
        if c>1:
            print(list1[i])
```

In [70]:

```
# Test Case1:
mostCommonName(['uma','pavan','uma'])
```

```
uma
```

In [71]:

```
# Test Case2:
mostCommonName(['uma','pavan','pavan','kumar'])
```

```
pavan
```

In [72]:

```
# Test Case3:
mostCommonName(['uma','pavan','uma','pavan','kumar'])
```

```
uma
pavan
```

In [73]:

```
# Test Case4:
mostCommonName([])
```

```
None
```

In [74]:

```
# Test Case5:
mostCommonName(['uma','Uma','pavan','pavan'])
```

```
pavan
```

3. Write the python function isPalindromicList(a) that takes a list and returns True if it is the same forwards as backwards and False otherwise.

In [101]:

```
def isPalindromicList(l1):
    l2 = list(reversed(l1))
    if l1 == l2:
        print('List is Palindrome',True)
    else:
        print('List Is Not Palindrome',False)
```

In [102]:

```
# Test Case1:
isPalindromicList([1,2,3,2,1])
```

```
List is Palindrome True
```

In [103]:

```
# Test Case2:
isPalindromicList([1,2,3,3])
```

```
List Is Not Palindrome False
```

In [104]:

```
# Test Case3:
isPalindromicList(['madam'])
```

```
List is Palindrome True
```

In [105]:

```
# Test Case4:
isPalindromicList('umapavan')
```

```
List Is Not Palindrome False
```