

▼ @ 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.

```
def indexOfSmallestElement(L):
    smallestIndex = 0
    smallestElement = L[0]
    for i in range (1, len(L)):
        if L[i] < smallestElement:
            smallestElement = L[i]
            smallestIndex = i

    return smallestIndex

L = list(map(int, input('Enter list of numbers: ').split()))
smallestIndex = indexOfSmallestElement(L)

print(' Smallest index is:', smallestIndex)
```

```
Enter list of numbers: 1 2 6 9 11 15 17
Smallest index is: 0
```

▼ @Write the python function most Common Name, that takes a list of names (such as ["Jane", "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.

```
def most_common_name(name_list):

    max_frequency = 0
    common_name = name_list[0]

    for name in name_list:
        frequency = name_list.count(name)
        if frequency > max_frequency:
            max_frequency = frequency
            common_name = name

    return name

print(most_common_name(["Jane", "Aaron", "Jane", "Cindy", "Aaron"]))
```

```
Aaron
```

▼ @Write the python function is Palindromic List (a) that takes a list and returns True if it is the same forwards as backwards and False otherwise.

```
def isPalindrome(str):  
    for i in range(0,int(len(str)/2)):  
        if str[i] != str [len(str)-i-1]:  
            return False  
    return True
```

```
s = "malayalam"  
ans = isPalindrome(s)
```

```
if (ans):  
    print("It is a Palindrome")  
else:  
    print("Sorry! Try again")
```

It is a Palindrome

Double-click (or enter) to edit

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