

Assignment - 7

Ans 1

```
def indexOfSmallestElement(L):  
    Smallest Index = 0  
    Smallest Element = L[0]  
    for i in range(1, len(L)):  
        if L[i] < SmallestElement:  
            Smallest Element = L[i]  
            Smallest Index = i  
    return Smallest Index
```

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

```
Smallest Index = indexOfSmallestElement(L)
```

```
print('Smallest index is : ' + str(Smallest Index))
```

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

Ans 2

```
def mostCommonName(nameList):
```

```
    maxFrequency = 0
```

```
    commonName = nameList[0]
```

```
    for name in nameList:
```

```
        frequency = nameList.count(name)
```

```
        if frequency > maxFrequency:
```

```
            maxFrequency = frequency
```

Common - name = name.

return name

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

Aaron.

Ans3

```
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.

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