In [255…

```
'''
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):

'''



def indexOfSmallestElement(list) :
    minindex = 0;
    minvalue = list[0];

    for i in range (1,len(list)) :
        if minvalue > list[i] :
            minvalue = list[i]
            minindex = i
    return minindex

input_string = input("Enter integer values separed by spaces: ")
list1  = input_string.split()

minindex = indexOfSmallestElement(list1)
print('Smallest element is found at the index : ',minindex)
```

```
Enter integer values separed by spaces: 6 7 890 45 32 44 22 5 5678 0 32 1
Smallest element is found at the index :  9
```

In [249…

```
'''
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.

'''

def mostCommonName(List):
    counter = 1
    newList = []


    for i in List:
        currentvalue = List.count(i)
        if(currentvalue > counter):
            counter = currentvalue

            if len(newList)>1 :
                newList.append(i)
            else :
                newList.append(i)

    if len(newList)<1 :
        newList.append('None')
    return newList



input_string = input("Enter names separated by spaces : ")
list1  = input_string.split()

commonNameSet = mostCommonName(list1)
print('Common Name in the list is :', commonNameSet)
```

```
Enter names separated by spaces : sai rama rama rama
Common Name in the list is : ['rama']
```

In [254…

```
'''
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.

'''
def isPalindrome(a) :
    if a[::-1] == a[:] :
        return True
    else :
        return False

input_string = input("Enter a string: ")
list  = input_string.split()

retval = isPalindrome(list)
print(retval)
```

```
Enter a string: madam
True
```

In [ ]: