

## Assignment

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(lst):  
    x = 0  
x = 0
```

```
    for i in range(len(lst):
```

```
        if (lst[x] < lst[i]):
```

```
            x = i
```

```
    return x
```

2. Write the Python function `mostCommonName`, that takes a list of names (such as ["Jane", "Aaron", "Cindy", "Aaron"]), and returns the most common name in the list. (in this case, "Aaron"). If there is more than one such name, return a set of most common names. So `mostCommonName(["Jane", "Aaron", "Jane", "Cindy", "Aaron"])` returns {"Aaron", "Jane"}.  
case sensitive.

```
def mostCommonName(lst):
```

```
    d = dict()
```

```
    for i in lst:
```

```
        d[i] = d.get(i, 0) + 1
```

```
    m = max(list(d.values()))
```

```
    k = set()
```

```
    for i in d.keys():
```

```
        if d[i] == m:
```

```
            k.add(i)
```

```
    return k
```

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

```
def isPalindromicList(a):  
    if(a==a[::-1]):  
        return True  
    else:  
        return False.
```