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):

Ans :

```
def indexOfSmallestElement(lst):
  if not lst:
    return None
  smallest = min(lst)
  return [i for i, x in enumerate(lst) if x == smallest][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.

Ans:

```
def mostCommonName(names):
  if not names:
    return None
  counts = {}
  max_count = 0
  for name in names:
    counts[name] = counts.get(name, 0) + 1
    max_count = max(max_count, counts[name])
  common_names = set([name for name, count in counts.items() if count == max_count])
  return common_names
```

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.

Ans:

```
def isPalindromicList(a):
   return a == a[::-1]
```