

#Assignment 7

1.

```
def index_of_smallest(list1):
    if len(list1) == 0:
        return -1
    smallest_value = list1[0]
    smallest_index = 0
    for i in range(len(list1)):
        if smallest_value > list1[i]:
            smallest_value = list1[i]
            smallest_index = i
        elif smallest_value = list1[i]
            if smallest_index < i:
                pass
            else
                smallest_index = i
        else
            pass
    return smallest_index
list1 = [ 10,15,20,9,25,9,75,85]
result = index_of_smallest(list1)
print('smallest index',result,'smallest value',list[result])
```

2.

```
def most_cmn_names(list):
    count = 0
    cmn_names_list = [ ]
    for i in list:
        count += 1
```

```

for i in range(0,count):
    for j in range (i+1,count):
        if list[i] == list[j]
            cmn_names_list.extend(list[i])
        else
            pass
    return cmn_names_list

list = ['jane','aaron','jane','cindy','aaron']
print('cmn_names_list',cmn_names_list(list))

```

3.

```

def isPalindrome(x):
    y=[]
    y.extend(x)
    x.reverse()
    if(x==y):
        return True
    return False

test_list = [1, 4, 5, 4, 1]
print("The original list is : " + str(test_list))
ans = isPalindrome(test_list)
if ans:
    print("Is palindrome ? "+"Yes")
else:
    print("Is palindrome ? "+"No")

```